Tobacco Insitute Testing Laboratory
Market Sample 34

Test Results

"Tar", "Nicotine", and Carbon Monoxide Values

March 19, 1992

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

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Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Alpine KFMHP	15.3±0.2	1.03±0.02	13.9±0.2
Alpine KFMSP	15.0±0.3	0.99±0.02	14.8±0.4
Alpine 100's 100FMSP	14.9±0.2	1.06±0.02	14.2±0.3
Alpine Lights KFMHP	9.3±0.1	0.71±0.01	9.8±0.2
Alpine Lights KFMSP	9.1±0.2	0.70±0.01	9.7±0.2
Alpine Lights 100's 100FMSP	9.4±0.2	0.74±0.01	10.9±0.2
American Filter King KFSP	16.4±0.3	1.26±0.03	14.5±0.3
American Filter 100's 100FSP	16.4±0.3	1.27±0.02	15.6±0.4
American Lights KFSP	11.2±0.1	0.90±0.01	11.9±0.2
American Lights 100's 100FSP	11.6±0.2	0.97±0.02	12.0±0.3
American Lights 100's Menthol 100FMSP	10.9±0.2	0.94±0.02	11.1±0.2
Belair KFMSP	10.2±0.2	0.79±0.02	9.7±0.2
Belair 100's 100FMSP	8.4±0.2	0.63±0.02	8.5±0.2
Belair Low Price KFMSP	14.5±0.3	1.16±0.02	13.3±0.2
Belair Low Price 100's 100FMSP	13.8±0.2	1.18±0.01	13.3±0.2
Belair Low Price Lights KFMSP	8.9±0.1	0.80±0.01	9.5±0.2
Belair Low Price Lights 100's 100FMSP	9.5±0.2	0.88±0.02	10.4±0.2
Benson & Hedges KFHP	14.2±0.4	1.18±0.03	11.0±0.3
Benson & Hedges 100's 100FHP	15.7±0.3	1.14±0.02	14.9±0.3
Benson & Hedges 100's Menthol 100FMHP	15.6±0.3	1.14±0.02	14.4±0.3
Benson & Hedges 100's 100FSP	16.2±0.2	1.14±0.02	15.5±0.2
Benson & Hedges 100's Menthol 100FMSP	15.4±0.2	1.10±0.02	14.0±0.3
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	5.4±0.2	0.47±0.01	6.1±0.2
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	5.2±0.2	0.44±0.01	6.3±0.2
Benson & Hedges Lights 100's 100FHP	10.3±0.1	0.80±0.01	11.0±0.3
Benson & Hedges Lights 100's Menthol 100FMHP	10.6±0.2	0.81±0.01	11.0±0.3
Benson & Hedges Lights 100's 100FSP	10.3±0.2	0.79±0.01	11.4±0.3
Benson & Hedges Lights 100's Menthol 100FMSP	10.2±0.2	0.78±0.02	11.1±0.2
B & H Multifilter KFSP	11.5±0.3	0.88±0.02	10.1±0.3
B & H De-Nic KFHP	8.2±0.2	0.08±0.00	8.0±0.3
B & H De-Nic Menthol KFMHP	8.6±0.1	0.08±0.00	8.2±0.2
B & H De-Nic 100's 100FHP	8.3±0.1	0.09±0.00	7.9±0.2
B & H De-Nic 100's Menthol 100FMHP	7.7±0.2	0.08±0.00	7.6±0.2
Bristol KNFSP	26.7±0.5	1.67±0.03	16.0±0.5
Bristol Full Flavor KFSP	15.9±0.2	1.14±0.02	15.5±0.3
Bristol Full Flavor 100's 100FSP	15.3±0.3	1.12±0.02	17.5±0.4
Bristol Lights KFSP	10.2±0.2	0.81±0.01	11.7±0.2
Bristol Lights Menthol KFMSP	10.1±0.2	0.81±0.01	11.4±0.2
Bristol Lights 100's 100FSP	10.1±0.2	0.84±0.02	12.5±0.3
Bristol Lights 100's Menthol 100FMSP	10.6±0.2	0.88±0.02	12.8±0.3
Bucks Full Flavor KFSP	14.1±0.3	0.98±0.02	13.0±0.3
Bucks Lights KFSP	10.1±0.2	0.75±0.01	11.3±0.2
Bull Durham KFHP	14.8±0.2	1.10±0.03	15.5±0.3
Bull Durham Lights KFHP	9.9±0.2	0.82±0.02	10.3±0.3
Cambridge Full Flavor KFSP	16.9±0.3	1.11±0.02	14.8±0.3

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Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Cambridge Full Flavor 100's 100FSP	16.9±0.2	1.10±0.02	16.4±0.4
Cambridge Lights KFSP	11.7±0.2	0.83±0.02	11.4±0.3
Cambridge Lights Menthol KFMSP	11.9±0.3	0.86±0.02	11.9±0.3
Cambridge Lights 100's 100FSP	10.9±0.2	0.80±0.01	12.5±0.2
Cambridge Lights 100's Menthol 100FMSP	11.1±0.1	0.83±0.01	12.8±0.3
Cambridge Ultra Low Tar 100's 100FSP	4.0±0.1	0.37±0.01	5.8±0.2
Camel RNFSP	21.8±0.3	1.52±0.03	12.8±0.4
Camel Filters KFHP	17.3±0.3	1.24±0.03	15.5±0.3
Camel Filters KFSP	14.7±0.3	1.06±0.02	13.0±0.2
Camel Filters 100's 100FSP	16.6±0.3	1.08±0.02	16.3±0.3
Camel Lights KFHP	9.4±0.1	0.68±0.01	11.8±0.2
Camel Lights KFSP	11.5±0.1	0.83±0.01	11.9±0.2
Camel Lights 100's 100FSP	11.0±0.1	0.82±0.01	12.1±0.2
Camel Ultra Lights KFHP	5.6±0.2	0.54±0.01	7.9±0.2
Camel Ultra Lights KFSP	5.8±0.2	0.56±0.02	8.0±0.3
Camel Ultra Lights 100's 100FHP	6.0±0.2	0.55±0.02	8.3±0.3
Capri 100FHP	9.5±0.2	0.76±0.02	6.0±0.2
Capri Menthol 100FMHP	9.2±0.2	0.70±0.02	5.8±0.2
Capri Super Slim 120's 120FHP	13.5±0.2	1.03±0.02	8.9±0.2
Capri Super Slim 120's Menthol 120FMHP	12.0±0.3	0.89±0.02	7.4±0.2
Carlton Ultra KFHP	< 0.5	< 0.05	< 0.5
Carlton KFSP	1.0±0.1	0.14±0.01	1.9±0.1
Carlton Menthol KFMSP	1.0±0.1	0.13±0.01	1.8±0.1
Carlton 83 KFHP	1.2±0.1	0.16±0.01	2.0±0.1
Carlton 100's 100FHP	1.2±0.1	0.15±0.01	1.5±0.1
Carlton 100's Menthol 100FMHP	1.0±0.1	0.13±0.01	1.3±0.1
Carlton 100's 100FSP	1.9±0.1	0.21±0.01	2.4±0.1
Carlton 100's Menthol 100FMSP	2.0±0.1	0.23±0.01	2.5±0.1
Carlton 120's 120FSP	5.5±0.2	0.52±0.01	4.4±0.1
Carlton 120's Menthol 120FMSP	5.3±0.2	0.52±0.02	4.2±0.2
Cartier 100 10's 100FHP	8.7±0.2	0.74±0.02	7.8±0.1
Cartier 100 10's Menthol 100FMHP	8.2±0.2	0.70±0.01	7.2±0.2
Cartier 100 20's 100FHP	8.4±0.2	0.72±0.01	7.3±0.2
Cartier 100 20's Menthol 100FMHP	8.6±0.2	0.73±0.01	7.4±0.2
Century 25's (25) KFSP	14.7±0.3	1.04±0.03	16.8±0.4
Century 25's 100's 100FSP	15.8±0.3	1.18±0.03	18.8±0.4
Century 25's Lights (25) KFSP	8.0±0.2	0.69±0.02	9.5±0.2
Century 25's Lights 100's 100FSP	11.2±0.2	0.95±0.02	12.3±0.3
Century 25's Lights 100's Menthol 100FMSP	11.3±0.1	0.84±0.01	12.6±0.2
Chelsea 100FHP	10.2±0.2	0.81±0.01	9.7±0.2
Chesterfield RNFSP	17.7±0.4	1.11±0.02	10.9±0.4
Chesterfield KNFSP	22.2±0.3	1.40±0.03	14.2±0.3
Chesterfield Filter Lights KFSP	9.7±0.2	0.74±0.01	11.1±0.2
Chesterfield Filter Lights 100's 100FSP	10.2±0.2	0.81±0.02	10.7±0.2
Class A Deluxe Full Flavor KFSP	14.8±0.2	1.07±0.02	13.7±0.3
Class A Deluxe Full Flavor 100's 100FSP	14.6±0.2	1.11±0.02	13.7±0.3

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Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Class A Deluxe Lights KFSP	12.1±0.2	0.90±0.02	11.5±0.2
Class A Deluxe Lights 100's 100FSP	10.6±0.2	0.86±0.01	11.6±0.2
Class A Deluxe Ultra Lights 100's 100FSP	5.9±0.1	0.55±0.01	5.6±0.1
Commander RNFSP	22.0±0.4	1.41±0.02	12.3±0.2
Commander KNFSP	27.1±0.3	1.70±0.02	16.2±0.4
Dakota KFHP	16.5±0.3	1.21±0.02	14.8±0.3
Dakota Lights KFHP	11.4±0.2	0.93±0.01	11.3±0.3
Doral Full Flavor KFSP	15.4±0.2	1.18±0.02	14.0±0.2
Doral Full Flavor Menthol KFMSP	16.0±0.3	1.17±0.03	14.7±0.3
Doral Full Flavor 100's 100FSP	15.6±0.2	1.19±0.02	16.3±0.3
Doral Full Flavor 100's Menthol 100FMSP	15.8±0.3	1.19±0.02	16.6±0.4
Doral Lights KFSP	10.3±0.2	0.83±0.02	10.5±0.2
Doral Lights Menthol KFMSP	9.5±0.2	0.73±0.02	9.6±0.2
Doral Lights 100's 100FSP	10.6±0.2	0.92±0.02	9.7±0.3
Doral Lights 100's Menthol 100FMSP	9.4±0.2	0.73±0.02	12.5±0.3
Doral Ultra Lights KFSP	5.2±0.1	0.52±0.01	6.6±0.1
Doral Ultra Lights 100's 100FSP	5.2±0.1	0.51±0.01	7.2±0.2
English Ovals KNFHP	24.3±0.5	1.91±0.04	15.1±0.6
Eve Ultra Lights Slim 100's 100FHP	5.7±0.2	0.55±0.01	4.4±0.1
Eve Ultra Lights Slim 100's Menthol 100FMHP	5.8±0.2	0.56±0.01	4.5±0.1
Eve Lights 120's 120FHP	12.9±0.4	1.00±0.03	11.3±0.4
Eve Lights 120's Menthol 120FMHP	12.6±0.2	1.00±0.02	11.0±0.3
Eve Ultra Lights Slim 120's 120FHP	5.2±0.1	0.51±0.01	3.7±0.1
Eve Ultra Lights Slim 120's Menthol 120FMHP	5.3±0.2	0.51±0.02	3.7±0.1
Harley Davidson KFSP	11.0±0.2	0.81±0.01	11.9±0.3
Harley Davidson Lights KFSP	8.1±0.2	0.69±0.01	10.7±0.2
Herbert Tareyton KNFSP	25.4±0.5	1.65±0.03	17.7±0.3
Heritage Lights KFSP	10.5±0.2	0.86±0.01	12.5±0.4
Heritage Lights 100s 100FSP	11.1±0.2	0.91±0.02	14.0±0.3
Hi-Lite 100FHP	13.3±0.2	1.09±0.02	13.1±0.3
Horizon Lights 100FSP	10.8±0.1	0.82±0.01	11.4±0.2
Horizon Lights Menthol 100FMSP	11.4±0.2	0.89±0.02	11.2±0.1
Kent Golden Lights KFHP	7.3±0.1	0.64±0.01	9.5±0.2
Kent Golden Lights KFSP	7.9±0.2	0.68±0.01	10.5±0.3
Kent Golden Lights Menthol KFMSP	7.9±0.1	0.66±0.02	10.5±0.2
Kent Golden Lights 100s 100FHP	8.6±0.2	0.74±0.02	9.8±0.3
Kent Golden Lights 100s 100FSP	8.6±0.2	0.77±0.02	9.7±0.4
Kent Golden Lights 100s Menthol 100FMSP	8.8±0.2	0.76±0.02	10.4±0.4
Kent KFHP	11.5±0.2	0.81±0.01	12.5±0.3
Kent KFSP	12.0±0.1	0.86±0.01	13.2±0.3
Kent 100s 100FSP	12.7±0.2	0.94±0.01	12.9±0.3
Kent 100s Menthol 100FMSP	12.7±0.1	0.95±0.01	12.7±0.3
Kent III Ultra Lights KFSP	3.5±0.2	0.36±0.01	4.1±0.2
Kent III Ultra Lights 100s 100FHP	4.3±0.1	0.42±0.01	5.7±0.2
Kent III Ultra Lights 100s 100FSP	4.8±0.2	0.45±0.01	6.3±0.3
Kool RNFMSP	20.7±0.6	1.31±0.04	13.5±0.4

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Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kool KFMHP	15.4±0.2	1.03±0.02	15.4±0.3
Kool KFMSP	16.4±0.2	1.09±0.02	15.9±0.3
Kool Super Longs 100's 100FMSP	16.1±0.2	1.17±0.01	16.0±0.3
Kool Lights KFMSP	7.8±0.2	0.66±0.02	8.2±0.1
Kool Lights 100's 100FMSP	8.1±0.2	0.68±0.01	8.8±0.2
Kool Deluxe Lights KFMHP	8.8±0.1	0.80±0.02	10.0±0.2
Kool Deluxe Lights 100's 100FMHP	9.7±0.3	0.90±0.02	9.9±0.3
Kool Deluxe Ultra KFMHP	5.3±0.2	0.54±0.01	6.6±0.1
Kool Deluxe Ultra 100's 100FMHP	5.8±0.1	0.58±0.01	6.8±0.2
Kool Milds KFMHP	11.6±0.2	0.87±0.02	11.0±0.3
Kool Milds KFMSP	11.4±0.2	0.86±0.02	11.5±0.2
Kool Milds 100's 100FMSP	11.7±0.2	0.90±0.02	11.9±0.2
Kool Ultra KFMSP	2.0±0.1	0.19±0.01	2.0±0.1
Kool Ultra 100's 100FMSP	5.2±0.2	0.46±0.02	5.0±0.2
L & M KFHP	12.7±0.2	0.94±0.01	11.9±0.2
L & M KFSP	12.7±0.2	0.95±0.01	11.8±0.2
L & M Super 100 100FSP	11.3±0.2	0.92±0.02	11.7±0.3
L & M Long Lights 100FSP	7.6±0.2	0.76±0.02	6.1±0.2
L & M 30's 100's 100FSP	14.2±0.3	1.07±0.02	12.7±0.3
L & M 30's Lights 100's 100FSP	11.5±0.2	0.92±0.01	9.1±0.2
L & M 30's Ultra Lights 100's 100FSP	5.8±0.1	0.55±0.01	4.7±0.1
Lark KFSP	13.3±0.3	1.00±0.02	11.7±0.2
Lark 100FSP	13.7±0.2	1.07±0.02	13.0±0.3
Lark Lights KFSP	11.8±0.3	0.88±0.02	10.4±0.3
Lark Light 100's 100FSP	12.2±0.2	0.96±0.02	11.0±0.2
Lucky Strike RNFSP	24.7±0.5	1.62±0.04	16.0±0.5
Lucky Strike KFHP	13.1±0.2	1.02±0.02	13.3±0.2
Lucky Strike KFSP	13.0±0.2	1.00±0.02	13.3±0.3
Lucky Strike Filters 100's 100FSP	13.4±0.1	1.11±0.01	12.6±0.2
Lucky Strike Lights KFSP	8.1±0.2	0.68±0.02	9.5±0.3
Lucky Strike Lights 100's 100FSP	8.9±0.2	0.75±0.02	10.0±0.2
Magna KFHP	16.4±0.6	1.17±0.05	15.3±0.4
Magna KFSP	15.4±0.3	1.15±0.03	15.1±0.3
Magna Lites KFHP	11.3±0.4	0.82±0.03	11.8±0.3
Magna Lites KFSP	11.7±0.2	0.84±0.02	12.5±0.3
Malibu Filters KFSP	15.5±0.3	1.19±0.02	13.7±0.4
Malibu Menthol KFMSP	16.0±0.3	1.27±0.02	13.9±0.3
Malibu 100's 100FSP	15.4±0.2	1.20±0.02	14.7±0.3
Malibu Menthol 100's 100FMSP	11.2±0.2	0.95±0.02	11.4±0.3
Malibu Lights KFSP	8.7±0.2	0.75±0.01	8.8±0.3
Malibu Lights 100's 100FSP	9.0±0.2	0.79±0.02	10.6±0.3
Malibu Ultra Lights 100's 100FSP	5.8±0.1	0.53±0.01	7.4±0.2
Marlboro KFHP	15.8±0.2	1.06±0.01	13.9±0.3
Marlboro KFSP	15.6±0.3	1.08±0.02	13.6±0.3
Marlboro Menthol KFMSP	15.6±0.2	1.04±0.02	15.4±0.3
Marlboro 100's 100FHP	16.0±0.3	1.13±0.02	15.5±0.3

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Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Marlboro 100's 100FSP	16.4±0.2	1.17±0.02	15.0±0.2
Marlboro 25's KFSP	16.3±0.3	1.12±0.02	14.1±0.4
Marlboro Lights KFHP	10.5±0.2	0.78±0.01	11.3±0.3
Marlboro Lights Menthol KFMHP	9.7±0.2	0.76±0.02	9.8±0.3
Marlboro Lights KFSP	10.7±0.2	0.79±0.02	11.2±0.3
Marlboro Lights 100's 100FHP	10.6±0.2	0.80±0.01	11.6±0.2
Marlboro Lights 100's Menthol 100FMHP	9.4±0.2	0.76±0.02	10.5±0.2
Marlboro Lights 100's 100FSP	10.0±0.2	0.77±0.02	11.5±0.3
Marlboro Lights 25's KFSP	10.6±0.2	0.80±0.01	10.8±0.2
Marlboro Ultra Lights KFHP	5.7±0.2	0.50±0.01	6.5±0.2
Marlboro Ultra Lights 100's 100FHP	5.6±0.1	0.49±0.01	7.3±0.2
Max 120s 120FSP	15.5±0.3	1.24±0.02	15.9±0.5
Max 120s Menthol 120FMSP	15.6±0.2	1.25±0.02	16.0±0.4
Merit KFHP	7.8±0.1	0.60±0.01	9.1±0.2
Merit KFSP	7.5±0.1	0.59±0.01	9.1±0.2
Merit Menthol KFMSP	7.6±0.2	0.61±0.02	8.9±0.3
Merit 100's 100FSP	9.6±0.2	0.76±0.01	10.6±0.2
Merit 100's Menthol 100FMSP	9.9±0.2	0.78±0.01	11.1±0.3
Merit Ultra Lights KFHP	4.7±0.1	0.44±0.01	5.6±0.1
Merit Ultra Lights KFSP	4.7±0.1	0.46±0.01	5.2±0.1
Merit Ultra Lights Menthol KFMSP	4.7±0.1	0.44±0.01	5.6±0.2
Merit Ultra Lights 100's 100FHP	5.3±0.1	0.50±0.01	6.9±0.1
Merit Ultra Lights 100's 100FSP	5.5±0.2	0.52±0.01	6.3±0.2
Merit Ultra Lights 100's Menthol 100FMSP	5.2±0.2	0.48±0.01	6.9±0.2
Misty Slims 100's Lights 100FHP	8.8±0.2	0.76±0.02	8.6±0.2
Misty Slims 100's Lights Menthol 100FMHP	8.3±0.2	0.72±0.02	8.1±0.2
Montclair Full Flavor KFSP	16.0±0.3	1.21±0.03	14.1±0.4
Montclair Full Flavor 100's 100FSP	16.4±0.3	1.24±0.02	16.1±0.3
Montclair Lights KFSP	11.4±0.2	0.92±0.02	11.9±0.2
Montclair Lights Menthol KFMSP	11.3±0.2	0.89±0.01	11.9±0.2
Montclair Lights 100's 100FSP	12.2±0.1	0.99±0.01	13.1±0.3
Montclair Lights 100's Menthol 100FMSP	11.8±0.2	0.96±0.01	12.6±0.3
Montclair Ultra Lights 100's 100FSP	5.8±0.2	0.52±0.01	7.3±0.2
More 120s 120FSP	16.1±0.3	1.23±0.02	19.3±0.4
More 120s Menthol 120FMSP	16.5±0.4	1.37±0.03	19.5±0.4
More Lights 100s 100FHP	9.4±0.2	0.78±0.02	9.6±0.2
More Lights 100s Menthol 100FMHP	8.8±0.1	0.70±0.01	9.2±0.2
More Lights 120s 120FSP	11.7±0.3	0.92±0.02	17.7±0.6
More Lights 120s Menthol 120FMSP	11.5±0.4	0.98±0.03	17.1±0.5
More White Lights 120s 120FSP	11.7±0.3	0.93±0.02	16.0±0.4
More White Lights 120s Menthol 120FMSP	11.7±0.3	0.98±0.03	16.3±0.3
Newport KFMHP	16.0±0.2	1.17±0.02	16.3±0.3
Newport KFMSP	17.2±0.2	1.27±0.02	17.4±0.4
Newport 100's 100FMHP	18.6±0.3	1.43±0.02	18.6±0.4
Newport 100's 100FMSP	18.6±0.3	1.45±0.02	18.7±0.4
Newport 25's KFMSP	17.3±0.2	1.27±0.02	17.1±0.3

Rev. 3/19/92

PM3001014833

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Newport 25's 100's 100FMSP	18.4±0.2	1.40±0.02	18.9±0.3
Newport Lights KFMHP	8.2±0.2	0.68±0.01	10.9±0.3
Newport Lights KFMSP	8.2±0.1	0.68±0.01	10.7±0.2
Newport Lights 100's 100FMHP	8.1±0.2	0.72±0.01	9.2±0.3
Newport Lights 100's 100FMSP	8.8±0.3	0.78±0.02	9.6±0.4
Newport Stripes 100FHP	11.2±0.2	0.91±0.02	14.0±0.4
Newport Stripes 100FMHP	11.2±0.2	0.86±0.01	14.0±0.4
Newport Stripes Slim Lights 100FMHP	9.9±0.3	0.78±0.01	11.3±0.3
Next De-Nic KFSP	9.4±0.1	0.09±0.00	8.7±0.2
Next De-Nic Menthol KFMSP	8.5±0.2	0.08±0.00	8.1±0.1
Next De-Nic 100 100FSP	9.1±0.1	0.09±0.00	8.6±0.2
Now KFHP	< 0.5	< 0.05	< 0.5
Now KFSP	1.0±0.1	0.13±0.01	1.9±0.1
Now Menthol KFMSP	0.9±0.0	0.12±0.01	1.8±0.1
Now 100s 100FHP	< 0.5	< 0.05	< 0.5
Now 100s 100FSP	2.1±0.1	0.24±0.01	3.0±0.1
Now 100s Menthol 100FMSP	1.9±0.1	0.21±0.01	2.6±0.2
Old Gold Straights KNFSP	26.3±0.4	1.83±0.04	18.3±0.3
Old Gold Filters KFSP	16.9±0.3	1.25±0.02	16.9±0.4
Old Gold Filter 100's 100FSP	18.1±0.3	1.38±0.02	18.5±0.4
Old Gold Lights KFSP	7.9±0.2	0.68±0.01	10.4±0.3
Old Gold Lights 100s 100FSP	11.7±0.2	0.95±0.02	14.2±0.3
Pall Mall KNFSP	25.6±0.4	1.75±0.03	16.5±0.4
Pall Mall 100's 100FSP	15.1±0.2	1.19±0.02	14.1±0.2
Pall Mall Gold Lights 100's 100FSP	14.6±0.2	1.16±0.02	13.8±0.2
Pall Mall Lights 100's 100FSP	9.3±0.2	0.78±0.02	11.1±0.3
Pall Mall Red Filters KFSP	15.2±0.2	1.17±0.01	13.1±0.3
Pall Mall Red Filters 100's 100FSP	15.4±0.2	1.17±0.01	14.3±0.3
Parliament Lights KFHP	8.8±0.2	0.68±0.02	9.4±0.2
Parliament Lights KFSP	9.0±0.2	0.72±0.02	9.5±0.2
Parliament Lights 100's 100FSP	11.6±0.2	0.92±0.02	11.4±0.3
Philip Morris International 100FHP	16.2±0.3	1.14±0.02	15.4±0.4
Philip Morris International Menthol 100FMHP	16.5±0.2	1.18±0.02	15.4±0.2
Players RNFHP	24.7±0.5	1.80±0.04	14.8±0.3
Players KFHP	11.3±0.2	0.84±0.01	11.2±0.3
Players Menthol KFMHP	10.9±0.2	0.82±0.02	11.0±0.3
Players 100's 100FHP	13.9±0.2	1.04±0.02	12.3±0.3
Players 100's Menthol 100FMHP	13.9±0.2	1.03±0.02	12.5±0.3
Players Lights 25's KFSP	9.9±0.2	0.76±0.02	10.0±0.2
Players Lights 25's Menthol KFMSP	9.8±0.2	0.76±0.01	10.1±0.2
Players Lights 25's 100's 100FSP	11.2±0.2	0.85±0.02	12.7±0.3
Players Lights 25's 100's Menthol 100FMSP	11.4±0.2	0.87±0.01	12.6±0.2
Pyramid KNFSP	21.4±0.4	1.33±0.03	13.9±0.4
Pyramid Full Flavor KFSP	13.9±0.2	1.04±0.02	12.6±0.3
Pyramid Full Flavor Menthol KFMSP	13.4±0.3	1.02±0.03	12.5±0.3
Pyramid Full Flavor 100's 100FSP	14.6±0.3	1.15±0.03	13.6±0.3

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Pyramid Full Flavor 100's Menthol 100FMSP	14.5±0.2	1.13±0.02	13.7±0.2
Pyramid Lights KFSP	10.6±0.2	0.81±0.01	11.8±0.2
Pyramid Lights 100's 100FSP	10.8±0.2	0.87±0.02	11.5±0.2
Pyramid Lights 100's Menthol 100FMSP	11.0±0.2	0.88±0.02	11.7±0.3
Pyramid Ultra Lights 100's 100FSP	5.3±0.2	0.49±0.02	4.9±0.2
Raleigh KNFSP	23.4±0.5	1.38±0.03	15.7±0.4
Raleigh KFSP	14.9±0.2	0.95±0.01	13.7±0.3
Raleigh 100's 100FSP	15.2±0.2	1.00±0.01	15.4±0.2
Raleigh Lights KFSP	11.2±0.2	0.87±0.01	12.1±0.2
Raleigh Lights 100's 100FSP	12.3±0.3	0.94±0.02	14.2±0.4
Raleigh Extra KFSP	17.5±0.3	1.03±0.02	16.9±0.5
Raleigh Extra 100's 100FSP	15.6±0.2	0.95±0.02	18.4±0.3
Raleigh Extra Lights KFSP	10.6±0.2	0.71±0.01	12.8±0.4
Raleigh Extra Lights Menthol KFMSP	9.7±0.2	0.71±0.02	11.2±0.2
Raleigh Extra Lights 100's 100FSP	11.9±0.2	0.81±0.01	14.7±0.4
Raleigh Extra Lights 100's Menthol 100FMSP	8.8±0.2	0.71±0.01	9.7±0.2
Richland 20's KFSP	16.9±0.2	1.21±0.02	14.5±0.3
Richland 20's Menthol KFMSP	16.0±0.2	1.08±0.02	15.2±0.3
Richland 20's 100's 100FSP	17.4±0.4	1.32±0.03	15.7±0.3
Richland 20's 100's Menthol 100FMSP	16.0±0.2	1.15±0.02	15.8±0.4
Richland 20's Lights KFSP	11.6±0.2	0.91±0.01	12.0±0.3
Richland 20's Lights 100's 100FSP	12.7±0.2	0.98±0.02	14.2±0.3
Richland 25's KFSP	16.6±0.2	1.17±0.02	14.4±0.4
Richland 25's Menthol KFMSP	15.9±0.2	1.03±0.02	15.5±0.4
Richland 25's 100's 100FSP	17.6±0.3	1.30±0.03	16.1±0.4
Richland Lights 25's KFSP	11.6±0.2	0.92±0.02	12.2±0.2
Richland Lights 25's 100's 100FSP	12.6±0.2	0.94±0.01	14.1±0.4
Ritz 100s 100FHP	9.9±0.2	0.82±0.02	10.3±0.3
Ritz 100s Menthol 100FMHP	11.3±0.2	0.87±0.02	10.8±0.2
Salem KFMHP	16.9±0.3	1.20±0.02	15.6±0.4
Salem KFMSP	17.0±0.3	1.27±0.02	15.7±0.4
Salem 100's 100FMSP	16.7±0.2	1.23±0.02	15.8±0.3
Salem Lights KFMSP	10.0±0.2	0.74±0.01	11.7±0.2
Salem Lights 100's 100FMHP	11.6±0.1	0.91±0.02	11.0±0.2
Salem Lights 100's 100FMSP	8.5±0.1	0.71±0.01	9.8±0.2
Salem Slim Lights 100's 100FMHP	8.9±0.1	0.73±0.01	8.9±0.2
Salem Ultra Lights KFMSP	4.8±0.1	0.44±0.01	6.7±0.2
Salem Ultra Lights 100's 100FMSP	4.7±0.1	0.44±0.01	6.7±0.2
Saratoga 120's 120FHP	14.4±0.3	1.07±0.02	13.7±0.3
Saratoga 120's Menthol 120FMHP	14.2±0.3	1.07±0.03	13.0±0.4
Satin 100FSP	10.9±0.2	0.90±0.02	12.5±0.4
Satin Menthol 100FMSP	11.1±0.2	0.93±0.02	12.6±0.3
Silva Thins Filters 100FHP	11.1±0.2	0.91±0.02	10.6±0.3
Silva Thins Menthol 100FMHP	11.9±0.3	0.98±0.02	10.7±0.3
Spring 100's Menthol 100FMSP	19.0±0.3	1.46±0.03	19.5±0.4
Sterling 100FSP	15.2±0.2	1.08±0.02	15.9±0.3

Rev. 3/19/92

PM3001014835

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Sterling Menthol 100FMSP	16.2±0.2	1.21±0.01	15.5±0.2
Sterling Lights 100FSP	10.3±0.2	0.81±0.02	11.2±0.3
Sterling Lights Menthol 100FMSP	8.8±0.2	0.76±0.01	9.7±0.2
Style Lights 100FHP	10.9±0.2	0.89±0.01	13.0±0.3
Style Lights Menthol 100FMHP	11.0±0.2	0.86±0.01	13.0±0.2
Style Ultra Lights 100FHP	4.0±0.1	0.39±0.01	5.1±0.2
Tall 120's 120FSP	17.2±0.3	1.38±0.03	17.8±0.4
Tall 120's Menthol 120FMSP	15.6±0.4	1.41±0.03	14.3±0.3
Tareyton KFSP	14.1±0.3	1.01±0.02	15.4±0.4
Tareyton 100's 100FSP	13.6±0.2	1.02±0.01	16.6±0.3
Tareyton Lights KFSP	5.1±0.2	0.46±0.01	5.6±0.2
Tareyton Long Lights 100FSP	7.7±0.1	0.67±0.01	8.5±0.2
Triumph KFSP	3.1±0.1	0.32±0.01	3.6±0.1
Triumph Menthol KFMSP	3.7±0.2	0.36±0.02	4.3±0.3
Triumph 100s 100FSP	4.5±0.2	0.43±0.02	5.9±0.2
Triumph 100s Menthol 100FMSP	5.0±0.2	0.48±0.02	6.5±0.3
True KFSP	4.1±0.2	0.39±0.01	4.9±0.2
True Menthol KFMSP	4.2±0.2	0.40±0.02	5.0±0.3
True 100's 100FSP	6.1±0.2	0.56±0.02	6.7±0.3
True 100's Menthol 100FMSP	6.1±0.3	0.56±0.02	6.8±0.3
Vantage KFSP	8.5±0.2	0.64±0.01	10.4±0.3
Vantage Menthol KFMSP	9.5±0.2	0.69±0.02	11.6±0.2
Vantage 100s 100FSP	8.6±0.2	0.68±0.01	9.9±0.3
Vantage 100s Menthol 100FMSP	8.2±0.2	0.62±0.02	11.1±0.2
Vantage Ultra Lights KFSP	4.9±0.1	0.44±0.01	6.8±0.2
Vantage Ultra Lights 100s 100FSP	4.8±0.1	0.44±0.01	7.2±0.2
Viceroy KFHP	16.2±0.3	1.13±0.02	13.5±0.3
Viceroy KFSP	16.7±0.2	1.19±0.02	14.2±0.3
Viceroy Super Long 100's 100FHP	16.4±0.2	1.19±0.02	14.1±0.3
Viceroy Super Long 100's 100FSP	17.5±0.2	1.24±0.02	15.4±0.3
Viceroy Lights KFHP	11.1±0.2	0.86±0.01	11.6±0.3
Viceroy Lights KFSP	11.1±0.2	0.87±0.02	11.7±0.3
Viceroy Lights 100's 100FHP	12.2±0.1	0.90±0.01	13.5±0.3
Viceroy Lights 100's 100FSP	11.9±0.2	0.93±0.02	13.0±0.3
Virginia Slims 100FSP	14.6±0.2	1.05±0.02	12.6±0.2
Virginia Slims Menthol 100FMSP	14.7±0.2	1.04±0.01	12.4±0.3
Virginia Slims Lights 100FHP	8.1±0.2	0.66±0.01	8.0±0.3
Virginia Slims Lights Menthol 100FMHP	8.3±0.2	0.66±0.02	7.9±0.1
Virginia Slims Lights 120's 120FHP	14.0±0.3	1.05±0.02	13.5±0.4
Virginia Slims Lights 120's Menthol 120FMHP	13.3±0.3	0.99±0.02	12.6±0.3
Virginia Slims Ultra Lights 100 100FHP	5.5±0.1	0.48±0.01	5.6±0.2
Virginia Slims Ultra Lights 100 Menthol 100FMHP	5.4±0.1	0.48±0.01	5.4±0.2
Virginia Slims Superslims 100 100FHP	5.7±0.3	0.51±0.02	6.5±0.4
Virginia Slims Superslims 100 Menthol 100FMHP	5.9±0.3	0.50±0.02	6.4±0.4
Winston KFHP	17.3±0.3	1.21±0.03	15.6±0.4
Winston KFSP	18.2±0.3	1.54±0.03	14.3±0.4

Rev. 3/19/92

PM3001014836

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Winston 100's 100FSP	17.0±0.2	1.11±0.02	17.3±0.2
Winston Lights KFHP	9.4±0.2	0.69±0.01	11.7±0.3
Winston Lights KFSP	10.3±0.2	0.75±0.02	10.8±0.3
* Winston Lights 100's 100FHP	10.6±0.2	0.80±0.02	12.3±0.2
Winston Lights 100's 100FSP	10.8±0.2	0.82±0.01	11.7±0.2
Winston Ultra Lights KFSP	6.1±0.1	0.56±0.01	8.0±0.2
Winston Ultra Lights 100's 100FSP	4.4±0.1	0.42±0.01	6.4±0.2
Craven A KFHP	13.6±0.2	1.10±0.02	12.5±0.3
Craven A Filter Standard Size RFHP	19.5±0.3	1.63±0.03	13.2±0.3
Dunhill International 100FHP	12.7±0.2	1.32±0.03	11.5±0.2
Dunhill Menthol 100FMHP	14.5±0.3	1.28±0.03	15.4±0.3
Dunhill Menthol Mild 100FMHP	9.6±0.2	0.85±0.02	10.5±0.2
Dunhill Int. Superior Mild 100FHP	8.5±0.2	0.83±0.02	8.7±0.2
Rothmans KFHP	17.2±0.3	1.30±0.03	16.9±0.4
Rothmans Special Mild KFHP	12.9±0.2	1.06±0.02	12.9±0.2
St. Moritz Filter 100FSP	14.6±0.2	1.07±0.02	14.8±0.3
St. Moritz Filter Menthol 100FMSP	14.9±0.1	1.13±0.02	15.0±0.2

* Retested brand

Rev. 3/19/92

PM3001014837

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Alpine KFMHP	15	1.0	14
Alpine KFMSP	15	1.0	15
Alpine 100's 100FMSP	15	1.1	14
Alpine Lights KFMHP	9	0.7	10
Alpine Lights KFMSP	9	0.7	10
Alpine Lights 100's 100FMSP	9	0.7	11
American Filter King KFSP	16	1.3	14
American Filter 100's 100FSP	16	1.3	16
American Lights KFSP	11	0.9	12
American Lights 100's 100FSP	12	1.0	12
American Lights 100's Menthol 100FMSP	11	0.9	11
Belair KFMSP	10	0.8	10
Belair 100's 100FMSP	8	0.6	8
Belair Low Price KFMSP	14	1.2	13
Belair Low Price 100's 100FMSP	14	1.2	13
Belair Low Price Lights KFMSP	9	0.8	10
Belair Low Price Lights 100's 100FMSP	10	0.9	10
Benson & Hedges KFHP	14	1.2	11
Benson & Hedges 100's 100FHP	16	1.1	15
Benson & Hedges 100's Menthol 100FMHP	16	1.1	14
Benson & Hedges 100's 100FSP	16	1.1	15
Benson & Hedges 100's Menthol 100FMSP	15	1.1	14
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	5	0.5	6
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	5	0.4	6
Benson & Hedges Lights 100's 100FHP	10	0.8	11
Benson & Hedges Lights 100's Menthol 100FMHP	11	0.8	11
Benson & Hedges Lights 100's 100FSP	10	0.8	11
Benson & Hedges Lights 100's Menthol 100FMSP	10	0.8	11
B & H Multifilter KFSP	12	0.9	10
B & H De-Nic KFHP	8	0.1	8
B & H De-Nic Menthol KFMHP	9	0.1	8
B & H De-Nic 100's 100FHP	8	0.1	8
B & H De-Nic 100's Menthol 100FMHP	8	0.1	8
Bristol KNFSP	27	1.7	16
Bristol Full Flavor KFSP	16	1.1	16
Bristol Full Flavor 100's 100FSP	15	1.1	18
Bristol Lights KFSP	10	0.8	12
Bristol Lights Menthol KFMSP	10	0.8	11
Bristol Lights 100's 100FSP	10	0.8	13
Bristol Lights 100's Menthol 100FMSP	11	0.9	13
Bucks Full Flavor KFSP	14	1.0	13
Bucks Lights KFSP	10	0.7	11
Bull Durham KFHP	15	1.1	15
Bull Durham Lights KFHP	10	0.8	10
Cambridge Full Flavor KFSP	17	1.1	15

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Cambridge Full Flavor 100's 100FSP	17	1.1	16
Cambridge Lights KFSP	12	0.8	11
Cambridge Lights Menthol KFMSP	12	0.9	12
Cambridge Lights 100's 100FSP	11	0.8	13
Cambridge Lights 100's Menthol 100FMSP	11	0.8	13
Cambridge Ultra Low Tar 100's 100FSP	4	0.4	6
Camel RNFSP	22	1.5	13
Camel Filters KFHP	17	1.2	15
Camel Filters KFSP	15	1.1	13
Camel Filters 100's 100FSP	17	1.1	16
Camel Lights KFHP	9	0.7	12
Camel Lights KFSP	11	0.8	12
Camel Lights 100's 100FSP	11	0.8	12
Camel Ultra Lights KFHP	6	0.5	8
Camel Ultra Lights KFSP	6	0.6	8
Camel Ultra Lights 100's 100FHP	6	0.6	8
Capri 100FHP	10	0.8	6
Capri Menthol 100FMHP	9	0.7	6
Capri Super Slim 120's 120FHP	13	1.0	9
Capri Super Slim 120's Menthol 120FMHP	12	0.9	7
Carlton Ultra KFHP	< 0.5	< 0.05	< 0.5
Carlton KFSP	1	0.1	2
Carlton Menthol KFMSP	1	0.1	2
Carlton 83 KFHP	1	0.2	2
Carlton 100's 100FHP	1	0.1	2
Carlton 100's Menthol 100FMHP	1	0.1	1
Carlton 100's 100FSP	2	0.2	2
Carlton 100's Menthol 100FMSP	2	0.2	3
Carlton 120's 120FSP	5	0.5	4
Carlton 120's Menthol 120FMSP	5	0.5	4
Cartier 100 10's 100FHP	9	0.7	8
Cartier 100 10's Menthol 100FMHP	8	0.7	7
Cartier 100 20's 100FHP	8	0.7	7
Cartier 100 20's Menthol 100FMHP	9	0.7	7
Century 25's (25) KFSP	15	1.0	17
Century 25's 100's 100FSP	16	1.2	19
Century 25's Lights (25) KFSP	8	0.7	10
Century 25's Lights 100's 100FSP	11	1.0	12
Century 25's Lights 100's Menthol 100FMSP	11	0.8	13
Chelsea 100FHP	10	0.8	10
Chesterfield RNFSP	18	1.1	11
Chesterfield KNFSP	22	1.4	14
Chesterfield Filter Lights KFSP	10	0.7	11
Chesterfield Filter Lights 100's 100FSP	10	0.8	11
Class A Deluxe Full Flavor KFSP	15	1.1	14
Class A Deluxe Full Flavor 100's 100FSP	15	1.1	14

Rev. 3/19/92

PM3001014839

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Class A Deluxe Lights KFSP	12	0.9	12
Class A Deluxe Lights 100's 100FSP	11	0.9	12
Class A Deluxe Ultra Lights 100's 100FSP	6	0.5	6
Commander RNFSP	22	1.4	12
Commander KNFSP	27	1.7	16
Dakota KFHP	16	1.2	15
Dakota Lights KFHP	11	0.9	11
Doral Full Flavor KFSP	15	1.2	14
Doral Full Flavor Menthol KFMSP	16	1.2	15
Doral Full Flavor 100's 100FSP	16	1.2	16
Doral Full Flavor 100's Menthol 100FMSP	16	1.2	17
Doral Lights KFSP	10	0.8	11
Doral Lights Menthol KFMSP	10	0.7	10
Doral Lights 100's 100FSP	11	0.9	10
Doral Lights 100's Menthol 100FMSP	9	0.7	13
Doral Ultra Lights KFSP	5	0.5	7
Doral Ultra Lights 100's 100FSP	5	0.5	7
English Ovals KNFHP	24	1.9	15
Eve Ultra Lights Slim 100's 100FHP	6	0.5	4
Eve Ultra Lights Slim 100's Menthol 100FMHP	6	0.6	5
Eve Lights 120's 120FHP	13	1.0	11
Eve Lights 120's Menthol 120FMHP	13	1.0	11
Eve Ultra Lights Slim 120's 120FHP	5	0.5	4
Eve Ultra Lights Slim 120's Menthol 120FMHP	5	0.5	4
Harley Davidson KFSP	11	0.8	12
Harley Davidson Lights KFSP	8	0.7	11
Herbert Tareyton KNFSP	25	1.7	18
Heritage Lights KFSP	10	0.9	12
Heritage Lights 100s 100FSP	11	0.9	14
Hi-Lite 100FHP	13	1.1	13
Horizon Lights 100FSP	11	0.8	11
Horizon Lights Menthol 100FMSP	11	0.9	11
Kent Golden Lights KFHP	7	0.6	9
Kent Golden Lights KFSP	8	0.7	10
Kent Golden Lights Menthol KFMSP	8	0.7	11
Kent Golden Lights 100s 100FHP	9	0.7	10
Kent Golden Lights 100s 100FSP	9	0.8	10
Kent Golden Lights 100s Menthol 100FMSP	9	0.8	10
Kent KFHP	11	0.8	12
Kent KFSP	12	0.9	13
Kent 100s 100FSP	13	0.9	13
Kent 100s Menthol 100FMSP	13	1.0	13
Kent III Ultra Lights KFSP	3	0.4	4
Kent III Ultra Lights 100s 100FHP	4	0.4	6
Kent III Ultra Lights 100s 100FSP	5	0.5	6
Kool RNFMSP	21	1.3	13

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PM3001014840

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kool KFMHP	15	1.0	15
Kool KFMSP	16	1.1	16
Kool Super Longs 100's 100FMSP	16	1.2	16
Kool Lights KFMSP	8	0.7	8
Kool Lights 100's 100FMSP	8	0.7	9
Kool Deluxe Lights KFMHP	9	0.8	10
Kool Deluxe Lights 100's 100FMHP	10	0.9	10
Kool Deluxe Ultra KFMHP	5	0.5	7
Kool Deluxe Ultra 100's 100FMHP	6	0.6	7
Kool Milds KFMHP	12	0.9	11
Kool Milds KFMSP	11	0.9	12
Kool Milds 100's 100FMSP	12	0.9	12
Kool Ultra KFMSP	2	0.2	2
Kool Ultra 100's 100FMSP	5	0.5	5
L & M KFHP	13	0.9	12
L & M KFSP	13	1.0	12
L & M Super 100 100FSP	11	0.9	12
L & M Long Lights 100FSP	8	0.8	6
L & M 30's 100's 100FSP	14	1.1	13
L & M 30's Lights 100's 100FSP	11	0.9	9
L & M 30's Ultra Lights 100's 100FSP	6	0.5	5
Lark KFSP	13	1.0	12
Lark 100FSP	14	1.1	13
Lark Lights KFSP	12	0.9	10
Lark Light 100's 100FSP	12	1.0	11
Lucky Strike RNFSP	25	1.6	16
Lucky Strike KFHP	13	1.0	13
Lucky Strike KFSP	13	1.0	13
Lucky Strike Filters 100's 100FSP	13	1.1	13
Lucky Strike Lights KFSP	8	0.7	10
Lucky Strike Lights 100's 100FSP	9	0.8	10
Magna KFHP	16	1.2	15
Magna KFSP	15	1.2	15
Magna Lites KFHP	11	0.8	12
Magna Lites KFSP	12	0.8	13
Malibu Filters KFSP	15	1.2	14
Malibu Menthol KFMSP	16	1.3	14
Malibu 100's 100FSP	15	1.2	15
Malibu Menthol 100's 100FMSP	11	1.0	11
Malibu Lights KFSP	9	0.7	9
Malibu Lights 100's 100FSP	9	0.8	11
Malibu Ultra Lights 100's 100FSP	6	0.5	7
Marlboro KFHP	16	1.1	14
Marlboro KFSP	16	1.1	14
Marlboro Menthol KFMSP	16	1.0	15
Marlboro 100's 100FHP	16	1.1	15

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PM3001014841

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Marlboro 100's 100FSP	16	1.2	15
Marlboro 25's KFSP	16	1.1	14
Marlboro Lights KFHP	11	0.8	11
Marlboro Lights Menthol KFMHP	10	0.8	10
Marlboro Lights KFSP	11	0.8	11
Marlboro Lights 100's 100FHP	11	0.8	12
Marlboro Lights 100's Menthol 100FMHP	9	0.8	10
Marlboro Lights 100's 100FSP	10	0.8	11
Marlboro Lights 25's KFSP	11	0.8	11
Marlboro Ultra Lights KFHP	6	0.5	6
Marlboro Ultra Lights 100's 100FHP	6	0.5	7
Max 120s 120FSP	16	1.2	16
Max 120s Menthol 120FMSP	16	1.2	16
Merit KFHP	8	0.6	9
Merit KFSP	7	0.6	9
Merit Menthol KFMSP	8	0.6	9
Merit 100's 100FSP	10	0.8	11
Merit 100's Menthol 100FMSP	10	0.8	11
Merit Ultra Lights KFHP	5	0.4	6
Merit Ultra Lights KFSP	5	0.5	5
Merit Ultra Lights Menthol KFMSP	5	0.4	6
Merit Ultra Lights 100's 100FHP	5	0.5	7
Merit Ultra Lights 100's 100FSP	5	0.5	6
Merit Ultra Lights 100's Menthol 100FMSP	5	0.5	7
Misty Slims 100's Lights 100FHP	9	0.8	9
Misty Slims 100's Lights Menthol 100FMHP	8	0.7	8
Montclair Full Flavor KFSP	16	1.2	14
Montclair Full Flavor 100's 100FSP	16	1.2	16
Montclair Lights KFSP	11	0.9	12
Montclair Lights Menthol KFMSP	11	0.9	12
Montclair Lights 100's 100FSP	12	1.0	13
Montclair Lights 100's Menthol 100FMSP	12	1.0	13
Montclair Ultra Lights 100's 100FSP	6	0.5	7
More 120s 120FSP	16	1.2	19
More 120s Menthol 120FMSP	16	1.4	19
More Lights 100s 100FHP	9	0.8	10
More Lights 100s Menthol 100FMHP	9	0.7	9
More Lights 120s 120FSP	12	0.9	18
More Lights 120s Menthol 120FMSP	11	1.0	17
More White Lights 120s 120FSP	12	0.9	16
More White Lights 120s Menthol 120FMSP	12	1.0	16
Newport KFMHP	16	1.2	16
Newport KFMSP	17	1.3	17
Newport 100's 100FMHP	19	1.4	19
Newport 100's 100FMSP	19	1.4	19
Newport 25's KFMSP	17	1.3	17

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PM3001014842

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Newport 25's 100's 100FMSP	18	1.4	19
Newport Lights KFMHP	8	0.7	11
Newport Lights KFMSP	8	0.7	11
Newport Lights 100's 100FMHP	8	0.7	9
Newport Lights 100's 100FMSP	9	0.8	10
Newport Stripes 100FHP	11	0.9	14
Newport Stripes 100FMHP	11	0.9	14
Newport Stripes Slim Lights 100FMHP	10	0.8	11
Next De-Nic KFSP	9	0.1	9
Next De-Nic Menthol KFMSP	9	0.1	8
Next De-Nic 100 100FSP	9	0.1	9
Now KFHP	< 0.5	< 0.05	< 0.5
Now KFSP	1	0.1	2
Now Menthol KFMSP	1	0.1	2
Now 100s 100FHP	< 0.5	< 0.05	< 0.5
Now 100s 100FSP	2	0.2	3
Now 100s Menthol 100FMSP	2	0.2	3
Old Gold Straights KNFSP	26	1.8	18
Old Gold Filters KFSP	17	1.3	17
Old Gold Filter 100's 100FSP	18	1.4	18
Old Gold Lights KFSP	8	0.7	10
Old Gold Lights 100s 100FSP	12	1.0	14
Pall Mall KNFSP	26	1.8	16
Pall Mall 100's 100FSP	15	1.2	14
Pall Mall Gold Lights 100's 100FSP	15	1.2	14
Pall Mall Lights 100's 100FSP	9	0.8	11
Pall Mall Red Filters KFSP	15	1.2	13
Pall Mall Red Filters 100's 100FSP	15	1.2	14
Parliament Lights KFHP	9	0.7	9
Parliament Lights KFSP	9	0.7	10
Parliament Lights 100's 100FSP	12	0.9	11
Philip Morris International 100FHP	16	1.1	15
Philip Morris International Menthol 100FMHP	16	1.2	15
Players RNFHP	25	1.8	15
Players KFHP	11	0.8	11
Players Menthol KFMHP	11	0.8	11
Players 100's 100FHP	14	1.0	12
Players 100's Menthol 100FMHP	14	1.0	12
Players Lights 25's KFSP	10	0.8	10
Players Lights 25's Menthol KFMSP	10	0.8	10
Players Lights 25's 100's 100FSP	11	0.9	13
Players Lights 25's 100's Menthol 100FMSP	11	0.9	13
Pyramid KNFSP	21	1.3	14
Pyramid Full Flavor KFSP	14	1.0	13
Pyramid Full Flavor Menthol KFMSP	13	1.0	13
Pyramid Full Flavor 100's 100FSP	15	1.1	14

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PM3001014843

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Pyramid Full Flavor 100's Menthol 100FMSP	14	1.1	14
Pyramid Lights KFSP	11	0.8	12
Pyramid Lights 100's 100FSP	11	0.9	12
Pyramid Lights 100's Menthol 100FMSP	11	0.9	12
Pyramid Ultra Lights 100's 100FSP	5	0.5	5
Raleigh KNFSP	23	1.4	16
Raleigh KFSP	15	1.0	14
Raleigh 100's 100FSP	15	1.0	15
Raleigh Lights KFSP	11	0.9	12
Raleigh Lights 100's 100FSP	12	0.9	14
Raleigh Extra KFSP	17	1.0	17
Raleigh Extra 100's 100FSP	16	0.9	18
Raleigh Extra Lights KFSP	11	0.7	13
Raleigh Extra Lights Menthol KFMSP	10	0.7	11
Raleigh Extra Lights 100's 100FSP	12	0.8	15
Raleigh Extra Lights 100's Menthol 100FMSP	9	0.7	10
Richland 20's KFSP	17	1.2	14
Richland 20's Menthol KFMSP	16	1.1	15
Richland 20's 100's 100FSP	17	1.3	16
Richland 20's 100's Menthol 100FMSP	16	1.1	16
Richland 20's Lights KFSP	12	0.9	12
Richland 20's Lights 100's 100FSP	13	1.0	14
Richland 25's KFSP	17	1.2	14
Richland 25's Menthol KFMSP	16	1.0	15
Richland 25's 100's 100FSP	18	1.3	16
Richland Lights 25's KFSP	12	0.9	12
Richland Lights 25's 100's 100FSP	13	0.9	14
Ritz 100s 100FHP	10	0.8	10
Ritz 100s Menthol 100FMHP	11	0.9	11
Salem KFMHP	17	1.2	16
Salem KFMSP	17	1.3	16
Salem 100's 100FMSP	17	1.2	16
Salem Lights KFMSP	10	0.7	12
Salem Lights 100's 100FMHP	12	0.9	11
Salem Lights 100's 100FMSP	8	0.7	10
Salem Slim Lights 100's 100FMHP	9	0.7	9
Salem Ultra Lights KFMSP	5	0.4	7
Salem Ultra Lights 100's 100FMSP	5	0.4	7
Saratoga 120's 120FHP	14	1.1	14
Saratoga 120's Menthol 120FMHP	14	1.1	13
Satin 100FSP	11	0.9	13
Satin Menthol 100FMSP	11	0.9	13
Silva Thins Filters 100FHP	11	0.9	11
Silva Thins Menthol 100FMHP	12	1.0	11
Spring 100's Menthol 100FMSP	19	1.5	19
Sterling 100FSP	15	1.1	16

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PM3001014844

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Sterling Menthol 100FMSP	16	1.2	16
Sterling Lights 100FSP	10	0.8	11
Sterling Lights Menthol 100FMSP	9	0.8	10
Style Lights 100FHP	11	0.9	13
Style Lights Menthol 100FMHP	11	0.9	13
Style Ultra Lights 100FHP	4	0.4	5
Tall 120's 120FSP	17	1.4	18
Tall 120's Menthol 120FMSP	16	1.4	14
Tareyton KFSP	14	1.0	15
Tareyton 100's 100FSP	14	1.0	17
Tareyton Lights KFSP	5	0.5	6
Tareyton Long Lights 100FSP	8	0.7	8
Triumph KFSP	3	0.3	4
Triumph Menthol KFMSP	4	0.4	4
Triumph 100s 100FSP	5	0.4	6
Triumph 100s Menthol 100FMSP	5	0.5	6
True KFSP	4	0.4	5
True Menthol KFMSP	4	0.4	5
True 100's 100FSP	6	0.6	7
True 100's Menthol 100FMSP	6	0.6	7
Vantage KFSP	9	0.6	10
Vantage Menthol KFMSP	9	0.7	12
Vantage 100s 100FSP	9	0.7	10
Vantage 100s Menthol 100FMSP	8	0.6	11
Vantage Ultra Lights KFSP	5	0.4	7
Vantage Ultra Lights 100s 100FSP	5	0.4	7
Viceroy KFHP	16	1.1	14
Viceroy KFSP	17	1.2	14
Viceroy Super Long 100's 100FHP	16	1.2	14
Viceroy Super Long 100's 100FSP	17	1.2	15
Viceroy Lights KFHP	11	0.9	12
Viceroy Lights KFSP	11	0.9	12
Viceroy Lights 100's 100FHP	12	0.9	14
Viceroy Lights 100's 100FSP	12	0.9	13
Virginia Slims 100FSP	15	1.0	13
Virginia Slims Menthol 100FMSP	15	1.0	12
Virginia Slims Lights 100FHP	8	0.7	8
Virginia Slims Lights Menthol 100FMHP	8	0.7	8
Virginia Slims Lights 120's 120FHP	14	1.1	13
Virginia Slims Lights 120's Menthol 120FMHP	13	1.0	13
Virginia Slims Ultra Lights 100 100FHP	6	0.5	6
Virginia Slims Ultra Lights 100 Menthol 100FMHP	5	0.5	5
Virginia Slims Superslims 100 100FHP	6	0.5	7
Virginia Slims Superslims 100 Menthol 100FMHP	6	0.5	6
Winston KFHP	17	1.2	16
Winston KFSP	18	1.5	14

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PM3001014845

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Rounded Values

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Winston 100's 100FSP	17	1.1	17
Winston Lights KFHP	9	0.7	12
Winston Lights KFSP	10	0.7	11
* Winston Lights 100's 100FHP	11	0.8	12
Winston Lights 100's 100FSP	11	0.8	12
Winston Ultra Lights KFSP	6	0.6	8
Winston Ultra Lights 100's 100FSP	4	0.4	6
Craven A KFHP	14	1.1	13
Craven A Filter Standard Size RFHP	20	1.6	13
Dunhill International 100FHP	13	1.3	12
Dunhill Menthol 100FMHP	14	1.3	15
Dunhill Menthol Mild 100FMHP	10	0.9	10
Dunhill Int. Superior Mild 100FHP	8	0.8	9
Rothmans KFHP	17	1.3	17
Rothmans Special Mild KFHP	13	1.1	13
St. Moritz Filter 100FSP	15	1.1	15
St. Moritz Filter Menthol 100FMSP	15	1.1	15

* Retested brand

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PM3001014846

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

PM3001014847

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - American Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
American Filter King KFSP	16.4±0.3	1.26±0.03	14.5±0.3
American Filter 100's 100FSP	16.4±0.3	1.27±0.02	15.6±0.4
American Lights KFSP	11.2±0.1	0.90±0.01	11.9±0.2
American Lights 100's 100FSP	11.6±0.2	0.97±0.02	12.0±0.3
American Lights 100's Menthol 100FMSP	10.9±0.2	0.94±0.02	11.1±0.2
Bull Durham KFHP	14.8±0.2	1.10±0.03	15.5±0.3
Bull Durham Lights KFHP	9.9±0.2	0.82±0.02	10.3±0.3
Carlton Ultra KFHP	< 0.5	< 0.05	< 0.5
Carlton KFSP	1.0±0.1	0.14±0.01	1.9±0.1
Carlton Menthol KFMSP	1.0±0.1	0.13±0.01	1.8±0.1
Carlton 83 KFHP	1.2±0.1	0.16±0.01	2.0±0.1
Carlton 100's 100FHP	1.2±0.1	0.15±0.01	1.5±0.1
Carlton 100's Menthol 100FMHP	1.0±0.1	0.13±0.01	1.3±0.1
Carlton 100's 100FSP	1.9±0.1	0.21±0.01	2.4±0.1
Carlton 100's Menthol 100FMSP	2.0±0.1	0.23±0.01	2.5±0.1
Carlton 120's 120FSP	5.5±0.2	0.52±0.01	4.4±0.1
Carlton 120's Menthol 120FMSP	5.3±0.2	0.52±0.02	4.2±0.2
Herbert Tareyton KNFSP	25.4±0.5	1.65±0.03	17.7±0.3
Lucky Strike RNFSP	24.7±0.5	1.62±0.04	16.0±0.5
Lucky Strike KFHP	13.1±0.2	1.02±0.02	13.3±0.2
Lucky Strike KFSP	13.0±0.2	1.00±0.02	13.3±0.3
Lucky Strike Filters 100's 100FSP	13.4±0.1	1.11±0.01	12.6±0.2
Lucky Strike Lights KFSP	8.1±0.2	0.68±0.02	9.5±0.3
Lucky Strike Lights 100's 100FSP	8.9±0.2	0.75±0.02	10.0±0.2
Malibu Filters KFSP	15.5±0.3	1.19±0.02	13.7±0.4
Malibu Menthol KFMSP	16.0±0.3	1.27±0.02	13.9±0.3
Malibu 100's 100FSP	15.4±0.2	1.20±0.02	14.7±0.3
Malibu Menthol 100's 100FMSP	11.2±0.2	0.95±0.02	11.4±0.3
Malibu Lights KFSP	8.7±0.2	0.75±0.01	8.8±0.3
Malibu Lights 100's 100FSP	9.0±0.2	0.79±0.02	10.6±0.3
Malibu Ultra Lights 100's 100FSP	5.8±0.1	0.53±0.01	7.4±0.2
Misty Slims 100's Lights 100FHP	8.8±0.2	0.76±0.02	8.6±0.2
Misty Slims 100's Lights Menthol 100FMHP	8.3±0.2	0.72±0.02	8.1±0.2
Montclair Full Flavor KFSP	16.0±0.3	1.21±0.03	14.1±0.4
Montclair Full Flavor 100's 100FSP	16.4±0.3	1.24±0.02	16.1±0.3
Montclair Lights KFSP	11.4±0.2	0.92±0.02	11.9±0.2
Montclair Lights Menthol KFMSP	11.3±0.2	0.89±0.01	11.9±0.2
Montclair Lights 100's 100FSP	12.2±0.1	0.99±0.01	13.1±0.3
Montclair Lights 100's Menthol 100FMSP	11.8±0.2	0.96±0.01	12.6±0.3
Montclair Ultra Lights 100's 100FSP	5.8±0.2	0.52±0.01	7.3±0.2
Pall Mall KNFSP	25.6±0.4	1.75±0.03	16.5±0.4
Pall Mall 100's 100FSP	15.1±0.2	1.19±0.02	14.1±0.2
Pall Mall Gold Lights 100's 100FSP	14.6±0.2	1.16±0.02	13.8±0.2
Pall Mall Lights 100's 100FSP	9.3±0.2	0.78±0.02	11.1±0.3
Pall Mall Red Filters KFSP	15.2±0.2	1.17±0.01	13.1±0.3

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PM3001014848

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - American Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Pall Mall Red Filters 100's 100FSP	15.4±0.2	1.17±0.01	14.3±0.3
Silva Thins Filters 100FHP	11.1±0.2	0.91±0.02	10.6±0.3
Silva Thins Menthol 100FMHP	11.9±0.3	0.98±0.02	10.7±0.3
Tall 120's 120FSP	17.2±0.3	1.38±0.03	17.8±0.4
Tall 120's Menthol 120FMSP	15.6±0.4	1.41±0.03	14.3±0.3
Tareyton KFSP	14.1±0.3	1.01±0.02	15.4±0.4
Tareyton 100's 100FSP	13.6±0.2	1.02±0.01	16.6±0.3
Tareyton Lights KFSP	5.1±0.2	0.46±0.01	5.6±0.2
Tareyton Long Lights 100FSP	7.7±0.1	0.67±0.01	8.5±0.2

PM3001014849

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Brown & Williamson Tobacco Corporation

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Belair KFMSP	10.2±0.2	0.79±0.02	9.7±0.2
Belair 100's 100FMSP	8.4±0.2	0.63±0.02	8.5±0.2
Belair Low Price KFMSP	14.5±0.3	1.16±0.02	13.3±0.2
Belair Low Price 100's 100FMSP	13.8±0.2	1.18±0.01	13.3±0.2
Belair Low Price Lights KFMSP	8.9±0.1	0.80±0.01	9.5±0.2
Belair Low Price Lights 100's 100FMSP	9.5±0.2	0.88±0.02	10.4±0.2
Capri 100FHP	9.5±0.2	0.76±0.02	6.0±0.2
Capri Menthol 100FMHP	9.2±0.2	0.70±0.02	5.8±0.2
Capri Super Slim 120's 120FHP	13.5±0.2	1.03±0.02	8.9±0.2
Capri Super Slim 120's Menthol 120FMHP	12.0±0.3	0.89±0.02	7.4±0.2
Kool RNFMSP	20.7±0.6	1.31±0.04	13.5±0.4
Kool KFMHP	15.4±0.2	1.03±0.02	15.4±0.3
Kool KFMSP	16.4±0.2	1.09±0.02	15.9±0.3
Kool Super Longs 100's 100FMSP	16.1±0.2	1.17±0.01	16.0±0.3
Kool Lights KFMSP	7.8±0.2	0.66±0.02	8.2±0.1
Kool Lights 100's 100FMSP	8.1±0.2	0.68±0.01	8.8±0.2
Kool Deluxe Lights KFMHP	8.8±0.1	0.80±0.02	10.0±0.2
Kool Deluxe Lights 100's 100FMHP	9.7±0.3	0.90±0.02	9.9±0.3
Kool Deluxe Ultra KFMHP	5.3±0.2	0.54±0.01	6.6±0.1
Kool Deluxe Ultra 100's 100FMHP	5.8±0.1	0.58±0.01	6.8±0.2
Kool Milds KFMHP	11.6±0.2	0.87±0.02	11.0±0.3
Kool Milds KFMSP	11.4±0.2	0.86±0.02	11.5±0.2
Kool Milds 100's 100FMSP	11.7±0.2	0.90±0.02	11.9±0.2
Kool Ultra KFMSP	2.0±0.1	0.19±0.01	2.0±0.1
Kool Ultra 100's 100FMSP	5.2±0.2	0.46±0.02	5.0±0.2
Raleigh KNFSP	23.4±0.5	1.38±0.03	15.7±0.4
Raleigh KFSP	14.9±0.2	0.95±0.01	13.7±0.3
Raleigh 100's 100FSP	15.2±0.2	1.00±0.01	15.4±0.2
Raleigh Lights KFSP	11.2±0.2	0.87±0.01	12.1±0.2
Raleigh Lights 100's 100FSP	12.3±0.3	0.94±0.02	14.2±0.4
Raleigh Extra KFSP	17.5±0.3	1.03±0.02	16.9±0.5
Raleigh Extra 100's 100FSP	15.6±0.2	0.95±0.02	18.4±0.3
Raleigh Extra Lights KFSP	10.6±0.2	0.71±0.01	12.8±0.4
Raleigh Extra Lights Menthol KFMSP	9.7±0.2	0.71±0.02	11.2±0.2
Raleigh Extra Lights 100's 100FSP	11.9±0.2	0.81±0.01	14.7±0.4
Raleigh Extra Lights 100's Menthol 100FMSP	8.8±0.2	0.71±0.01	9.7±0.2
Richland 20's KFSP	16.9±0.2	1.21±0.02	14.5±0.3
Richland 20's Menthol KFMSP	16.0±0.2	1.08±0.02	15.2±0.3
Richland 20's 100's 100FSP	17.4±0.4	1.32±0.03	15.7±0.3
Richland 20's 100's Menthol 100FMSP	16.0±0.2	1.15±0.02	15.8±0.4
Richland 20's Lights KFSP	11.6±0.2	0.91±0.01	12.0±0.3
Richland 20's Lights 100's 100FSP	12.7±0.2	0.98±0.02	14.2±0.3
Richland 25's KFSP	16.6±0.2	1.17±0.02	14.4±0.4
Richland 25's Menthol KFMSP	15.9±0.2	1.03±0.02	15.5±0.4
Richland 25's 100's 100FSP	17.6±0.3	1.30±0.03	16.1±0.4

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Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Brown & Williamson Tobacco Corporation

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Richland Lights 25's KFSP	11.6±0.2	0.92±0.02	12.2±0.2
Richland Lights 25's 100's 100FSP	12.6±0.2	0.94±0.01	14.1±0.4
Viceroy KFHP	16.2±0.3	1.13±0.02	13.5±0.3
Viceroy KFSP	16.7±0.2	1.19±0.02	14.2±0.3
Viceroy Super Long 100's 100FHP	16.4±0.2	1.19±0.02	14.1±0.3
Viceroy Super Long 100's 100FSP	17.5±0.2	1.24±0.02	15.4±0.3
Viceroy Lights KFHP	11.1±0.2	0.86±0.01	11.6±0.3
Viceroy Lights KFSP	11.1±0.2	0.87±0.02	11.7±0.3
Viceroy Lights 100's 100FHP	12.2±0.1	0.90±0.01	13.5±0.3
Viceroy Lights 100's 100FSP	11.9±0.2	0.93±0.02	13.0±0.3

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Liggett Group Incorporated

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Chesterfield RNFSP	17.7±0.4	1.11±0.02	10.9±0.4
Chesterfield KNFSP	22.2±0.3	1.40±0.03	14.2±0.3
Chesterfield Filter Lights KFSP	9.7±0.2	0.74±0.01	11.1±0.2
Chesterfield Filter Lights 100's 100FSP	10.2±0.2	0.81±0.02	10.7±0.2
Class A Deluxe Full Flavor KFSP	14.8±0.2	1.07±0.02	13.7±0.3
Class A Deluxe Full Flavor 100's 100FSP	14.6±0.2	1.11±0.02	13.7±0.3
Class A Deluxe Lights KFSP	12.1±0.2	0.90±0.02	11.5±0.2
Class A Deluxe Lights 100's 100FSP	10.6±0.2	0.86±0.01	11.6±0.2
Class A Deluxe Ultra Lights 100's 100FSP	5.9±0.1	0.55±0.01	5.6±0.1
Eve Ultra Lights Slim 100's 100FHP	5.7±0.2	0.55±0.01	4.4±0.1
Eve Ultra Lights Slim 100's Menthol 100FMHP	5.8±0.2	0.56±0.01	4.5±0.1
Eve Lights 120's 120FHP	12.9±0.4	1.00±0.03	11.3±0.4
Eve Lights 120's Menthol 120FMHP	12.6±0.2	1.00±0.02	11.0±0.3
Eve Ultra Lights Slim 120's 120FHP	5.2±0.1	0.51±0.01	3.7±0.1
Eve Ultra Lights Slim 120's Menthol 120FMHP	5.3±0.2	0.51±0.02	3.7±0.1
L & M KFHP	12.7±0.2	0.94±0.01	11.9±0.2
L & M KFSP	12.7±0.2	0.95±0.01	11.8±0.2
L & M Super 100 100FSP	11.3±0.2	0.92±0.02	11.7±0.3
L & M Long Lights 100FSP	7.6±0.2	0.76±0.02	6.1±0.2
L & M 30's 100's 100FSP	14.2±0.3	1.07±0.02	12.7±0.3
L & M 30's Lights 100's 100FSP	11.5±0.2	0.92±0.01	9.1±0.2
L & M 30's Ultra Lights 100's 100FSP	5.8±0.1	0.55±0.01	4.7±0.1
Lark KFSP	13.3±0.3	1.00±0.02	11.7±0.2
Lark 100FSP	13.7±0.2	1.07±0.02	13.0±0.3
Lark Lights KFSP	11.8±0.3	0.88±0.02	10.4±0.3
Lark Light 100's 100FSP	12.2±0.2	0.96±0.02	11.0±0.2
Pyramid KNFSP	21.4±0.4	1.33±0.03	13.9±0.4
Pyramid Full Flavor KFSP	13.9±0.2	1.04±0.02	12.6±0.3
Pyramid Full Flavor Menthol KFMSP	13.4±0.3	1.02±0.03	12.5±0.3
Pyramid Full Flavor 100's 100FSP	14.6±0.3	1.15±0.03	13.6±0.3
Pyramid Full Flavor 100's Menthol 100FMSP	14.5±0.2	1.13±0.02	13.7±0.2
Pyramid Lights KFSP	10.6±0.2	0.81±0.01	11.8±0.2
Pyramid Lights 100's 100FSP	10.8±0.2	0.87±0.02	11.5±0.2
Pyramid Lights 100's Menthol 100FMSP	11.0±0.2	0.88±0.02	11.7±0.3
Pyramid Ultra Lights 100's 100FSP	5.3±0.2	0.49±0.02	4.9±0.2

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Lorillard Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Harley Davidson KFSP	11.0±0.2	0.81±0.01	11.9±0.3
Harley Davidson Lights KFSP	8.1±0.2	0.69±0.01	10.7±0.2
Heritage Lights KFSP	10.5±0.2	0.86±0.01	12.5±0.4
Heritage Lights 100s 100FSP	11.1±0.2	0.91±0.02	14.0±0.3
Kent Golden Lights KFHP	7.3±0.1	0.64±0.01	9.5±0.2
Kent Golden Lights KFSP	7.9±0.2	0.68±0.01	10.5±0.3
Kent Golden Lights Menthol KFMSP	7.9±0.1	0.66±0.02	10.5±0.2
Kent Golden Lights 100s 100FHP	8.6±0.2	0.74±0.02	9.8±0.3
Kent Golden Lights 100s 100FSP	8.6±0.2	0.77±0.02	9.7±0.4
Kent Golden Lights 100s Menthol 100FMSP	8.8±0.2	0.76±0.02	10.4±0.4
Kent KFHP	11.5±0.2	0.81±0.01	12.5±0.3
Kent KFSP	12.0±0.1	0.86±0.01	13.2±0.3
Kent 100s 100FSP	12.7±0.2	0.94±0.01	12.9±0.3
Kent 100s Menthol 100FMSP	12.7±0.1	0.95±0.01	12.7±0.3
Kent III Ultra Lights KFSP	3.5±0.2	0.36±0.01	4.1±0.2
Kent III Ultra Lights 100s 100FHP	4.3±0.1	0.42±0.01	5.7±0.2
Kent III Ultra Lights 100s 100FSP	4.8±0.2	0.45±0.01	6.3±0.3
Max 120s 120FSP	15.5±0.3	1.24±0.02	15.9±0.5
Max 120s Menthol 120FMSP	15.6±0.2	1.25±0.02	16.0±0.4
Newport KFMHP	16.0±0.2	1.17±0.02	16.3±0.3
Newport KFMSP	17.2±0.2	1.27±0.02	17.4±0.4
Newport 100's 100FMHP	18.6±0.3	1.43±0.02	18.6±0.4
Newport 100's 100FMSP	18.6±0.3	1.45±0.02	18.7±0.4
Newport 25's KFMSP	17.3±0.2	1.27±0.02	17.1±0.3
Newport 25's 100's 100FMSP	18.4±0.2	1.40±0.02	18.9±0.3
Newport Lights KFMHP	8.2±0.2	0.68±0.01	10.9±0.3
Newport Lights KFMSP	8.2±0.1	0.68±0.01	10.7±0.2
Newport Lights 100's 100FMHP	8.1±0.2	0.72±0.01	9.2±0.3
Newport Lights 100's 100FMSP	8.8±0.3	0.78±0.02	9.6±0.4
Newport Stripes 100FHP	11.2±0.2	0.91±0.02	14.0±0.4
Newport Stripes 100FMHP	11.2±0.2	0.86±0.01	14.0±0.4
Newport Stripes Slim Lights 100FMHP	9.9±0.3	0.78±0.01	11.3±0.3
Old Gold Straights KNFSP	26.3±0.4	1.83±0.04	18.3±0.3
Old Gold Filters KFSP	16.9±0.3	1.25±0.02	16.9±0.4
Old Gold Filter 100's 100FSP	18.1±0.3	1.38±0.02	18.5±0.4
Old Gold Lights KFSP	7.9±0.2	0.68±0.01	10.4±0.3
Old Gold Lights 100s 100FSP	11.7±0.2	0.95±0.02	14.2±0.3
Satin 100FSP	10.9±0.2	0.90±0.02	12.5±0.4
Satin Menthol 100FMSP	11.1±0.2	0.93±0.02	12.6±0.3
Spring 100's Menthol 100FMSP	19.0±0.3	1.46±0.03	19.5±0.4
Style Lights 100FHP	10.9±0.2	0.89±0.01	13.0±0.3
Style Lights Menthol 100FMHP	11.0±0.2	0.86±0.01	13.0±0.2
Style Ultra Lights 100FHP	4.0±0.1	0.39±0.01	5.1±0.2
Triumph KFSP	3.1±0.1	0.32±0.01	3.6±0.1
Triumph Menthol KFMSP	3.7±0.2	0.36±0.02	4.3±0.3

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Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Lorillard Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Triumph 100s 100FSP	4.5±0.2	0.43±0.02	5.9±0.2
Triumph 100s Menthol 100FMSP	5.0±0.2	0.48±0.02	6.5±0.3
True KFSP	4.1±0.2	0.39±0.01	4.9±0.2
True Menthol KFMSP	4.2±0.2	0.40±0.02	5.0±0.3
True 100's 100FSP	6.1±0.2	0.56±0.02	6.7±0.3
True 100's Menthol 100FMSP	6.1±0.3	0.56±0.02	6.8±0.3

PM3001014854

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Philip Morris USA

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Alpine KFMHP	15.3±0.2	1.03±0.02	13.9±0.2
Alpine KFMSP	15.0±0.3	0.99±0.02	14.8±0.4
Alpine 100's 100FMSP	14.9±0.2	1.06±0.02	14.2±0.3
Alpine Lights KFMHP	9.3±0.1	0.71±0.01	9.8±0.2
Alpine Lights KFMSP	9.1±0.2	0.70±0.01	9.7±0.2
Alpine Lights 100's 100FMSP	9.4±0.2	0.74±0.01	10.9±0.2
Benson & Hedges KFHP	14.2±0.4	1.18±0.03	11.0±0.3
Benson & Hedges 100's 100FHP	15.7±0.3	1.14±0.02	14.9±0.3
Benson & Hedges 100's Menthol 100FMHP	15.6±0.3	1.14±0.02	14.4±0.3
Benson & Hedges 100's 100FSP	16.2±0.2	1.14±0.02	15.5±0.2
Benson & Hedges 100's Menthol 100FMSP	15.4±0.2	1.10±0.02	14.0±0.3
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	5.4±0.2	0.47±0.01	6.1±0.2
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	5.2±0.2	0.44±0.01	6.3±0.2
Benson & Hedges Lights 100's 100FHP	10.3±0.1	0.80±0.01	11.0±0.3
Benson & Hedges Lights 100's Menthol 100FMHP	10.6±0.2	0.81±0.01	11.0±0.3
Benson & Hedges Lights 100's 100FSP	10.3±0.2	0.79±0.01	11.4±0.3
Benson & Hedges Lights 100's Menthol 100FMSP	10.2±0.2	0.78±0.02	11.1±0.2
B & H Multifilter KFSP	11.5±0.3	0.88±0.02	10.1±0.3
B & H De-Nic KFHP	8.2±0.2	0.08±0.00	8.0±0.3
B & H De-Nic Menthol KFMHP	8.6±0.1	0.08±0.00	8.2±0.2
B & H De-Nic 100's 100FHP	8.3±0.1	0.09±0.00	7.9±0.2
B & H De-Nic 100's Menthol 100FMHP	7.7±0.2	0.08±0.00	7.6±0.2
Bristol KNFSP	26.7±0.5	1.67±0.03	16.0±0.5
Bristol Full Flavor KFSP	15.9±0.2	1.14±0.02	15.5±0.3
Bristol Full Flavor 100's 100FSP	15.3±0.3	1.12±0.02	17.5±0.4
Bristol Lights KFSP	10.2±0.2	0.81±0.01	11.7±0.2
Bristol Lights Menthol KFMSP	10.1±0.2	0.81±0.01	11.4±0.2
Bristol Lights 100's 100FSP	10.1±0.2	0.84±0.02	12.5±0.3
Bristol Lights 100's Menthol 100FMSP	10.6±0.2	0.88±0.02	12.8±0.3
Bucks Full Flavor KFSP	14.1±0.3	0.98±0.02	13.0±0.3
Bucks Lights KFSP	10.1±0.2	0.75±0.01	11.3±0.2
Cambridge Full Flavor KFSP	16.9±0.3	1.11±0.02	14.8±0.3
Cambridge Full Flavor 100's 100FSP	16.9±0.2	1.10±0.02	16.4±0.4
Cambridge Lights KFSP	11.7±0.2	0.83±0.02	11.4±0.3
Cambridge Lights Menthol KFMSP	11.9±0.3	0.86±0.02	11.9±0.3
Cambridge Lights 100's 100FSP	10.9±0.2	0.80±0.01	12.5±0.2
Cambridge Lights 100's Menthol 100FMSP	11.1±0.1	0.83±0.01	12.8±0.3
Cambridge Ultra Low Tar 100's 100FSP	4.0±0.1	0.37±0.01	5.8±0.2
Cartier 100 10's 100FHP	8.7±0.2	0.74±0.02	7.8±0.1
Cartier 100 10's Menthol 100FMHP	8.2±0.2	0.70±0.01	7.2±0.2
Cartier 100 20's 100FHP	8.4±0.2	0.72±0.01	7.3±0.2
Cartier 100 20's Menthol 100FMHP	8.6±0.2	0.73±0.01	7.4±0.2
Commander RNFSP	22.0±0.4	1.41±0.02	12.3±0.2
Commander KNFSP	27.1±0.3	1.70±0.02	16.2±0.4
English Ovals KNFHP	24.3±0.5	1.91±0.04	15.1±0.6

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Philip Morris USA

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Hi-Lite 100FHP	13.3±0.2	1.09±0.02	13.1±0.3
Marlboro KFHP	15.8±0.2	1.06±0.01	13.9±0.3
Marlboro KFSP	15.6±0.3	1.08±0.02	13.6±0.3
Marlboro Menthol KFMSP	15.6±0.2	1.04±0.02	15.4±0.3
Marlboro 100's 100FHP	16.0±0.3	1.13±0.02	15.5±0.3
Marlboro 100's 100FSP	16.4±0.2	1.17±0.02	15.0±0.2
Marlboro 25's KFSP	16.3±0.3	1.12±0.02	14.1±0.4
Marlboro Lights KFHP	10.5±0.2	0.78±0.01	11.3±0.3
Marlboro Lights Menthol KFMHP	9.7±0.2	0.76±0.02	9.8±0.3
Marlboro Lights KFSP	10.7±0.2	0.79±0.02	11.2±0.3
Marlboro Lights 100's 100FHP	10.6±0.2	0.80±0.01	11.6±0.2
Marlboro Lights 100's Menthol 100FMHP	9.4±0.2	0.76±0.02	10.5±0.2
Marlboro Lights 100's 100FSP	10.0±0.2	0.77±0.02	11.5±0.3
Marlboro Lights 25's KFSP	10.6±0.2	0.80±0.01	10.8±0.2
Marlboro Ultra Lights KFHP	5.7±0.2	0.50±0.01	6.5±0.2
Marlboro Ultra Lights 100's 100FHP	5.6±0.1	0.49±0.01	7.3±0.2
Merit KFHP	7.8±0.1	0.60±0.01	9.1±0.2
Merit KFSP	7.5±0.1	0.59±0.01	9.1±0.2
Merit Menthol KFMSP	7.6±0.2	0.61±0.02	8.9±0.3
Merit 100's 100FSP	9.6±0.2	0.76±0.01	10.6±0.2
Merit 100's Menthol 100FMSP	9.9±0.2	0.78±0.01	11.1±0.3
Merit Ultra Lights KFHP	4.7±0.1	0.44±0.01	5.6±0.1
Merit Ultra Lights KFSP	4.7±0.1	0.46±0.01	5.2±0.1
Merit Ultra Lights Menthol KFMSP	4.7±0.1	0.44±0.01	5.6±0.2
Merit Ultra Lights 100's 100FHP	5.3±0.1	0.50±0.01	6.9±0.1
Merit Ultra Lights 100's 100FSP	5.5±0.2	0.52±0.01	6.3±0.2
Merit Ultra Lights 100's Menthol 100FMSP	5.2±0.2	0.48±0.01	6.9±0.2
Next De-Nic KFSP	9.4±0.1	0.09±0.00	8.7±0.2
Next De-Nic Menthol KFMSP	8.5±0.2	0.08±0.00	8.1±0.1
Next De-Nic 100 100FSP	9.1±0.1	0.09±0.00	8.6±0.2
Parliament Lights KFHP	8.8±0.2	0.68±0.02	9.4±0.2
Parliament Lights KFSP	9.0±0.2	0.72±0.02	9.5±0.2
Parliament Lights 100's 100FSP	11.6±0.2	0.92±0.02	11.4±0.3
Philip Morris International 100FHP	16.2±0.3	1.14±0.02	15.4±0.4
Philip Morris International Menthol 100FMHP	16.5±0.2	1.18±0.02	15.4±0.2
Players RNFHP	24.7±0.5	1.80±0.04	14.8±0.3
Players KFHP	11.3±0.2	0.84±0.01	11.2±0.3
Players Menthol KFMHP	10.9±0.2	0.82±0.02	11.0±0.3
Players 100's 100FHP	13.9±0.2	1.04±0.02	12.3±0.3
Players 100's Menthol 100FMHP	13.9±0.2	1.03±0.02	12.5±0.3
Players Lights 25's KFSP	9.9±0.2	0.76±0.02	10.0±0.2
Players Lights 25's Menthol KFMSP	9.8±0.2	0.76±0.01	10.1±0.2
Players Lights 25's 100's 100FSP	11.2±0.2	0.85±0.02	12.7±0.3
Players Lights 25's 100's Menthol 100FMSP	11.4±0.2	0.87±0.01	12.6±0.2
Saratoga 120's 120FHP	14.4±0.3	1.07±0.02	13.7±0.3
Saratoga 120's Menthol 120FMHP	14.2±0.3	1.07±0.03	13.0±0.4

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PM3001014856

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Philip Morris USA

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Virginia Slims 100FSP	14.6±0.2	1.05±0.02	12.6±0.2
Virginia Slims Menthol 100FMSP	14.7±0.2	1.04±0.01	12.4±0.3
Virginia Slims Lights 100FHP	8.1±0.2	0.66±0.01	8.0±0.3
Virginia Slims Lights Menthol 100FMHP	8.3±0.2	0.66±0.02	7.9±0.1
Virginia Slims Lights 120's 120FHP	14.0±0.3	1.05±0.02	13.5±0.4
Virginia Slims Lights 120's Menthol 120FMHP	13.3±0.3	0.99±0.02	12.6±0.3
Virginia Slims Ultra Lights 100 100FHP	5.5±0.1	0.48±0.01	5.6±0.2
Virginia Slims Ultra Lights 100 Menthol 100FMHP	5.4±0.1	0.48±0.01	5.4±0.2
Virginia Slims Superslims 100 100FHP	5.7±0.3	0.51±0.02	6.5±0.4
Virginia Slims Superslims 100 Menthol 100FMHP	5.9±0.3	0.50±0.02	6.4±0.4

PM3001014857

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - R.J. Reynolds Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Camel RNFSP	21.8±0.3	1.52±0.03	12.8±0.4
Camel Filters KFHP	17.3±0.3	1.24±0.03	15.5±0.3
Camel Filters KFSP	14.7±0.3	1.06±0.02	13.0±0.2
Camel Filters 100's 100FSP	16.6±0.3	1.08±0.02	16.3±0.3
Camel Lights KFHP	9.4±0.1	0.68±0.01	11.8±0.2
Camel Lights KFSP	11.5±0.1	0.83±0.01	11.9±0.2
Camel Lights 100's 100FSP	11.0±0.1	0.82±0.01	12.1±0.2
Camel Ultra Lights KFHP	5.6±0.2	0.54±0.01	7.9±0.2
Camel Ultra Lights KFSP	5.8±0.2	0.56±0.02	8.0±0.3
Camel Ultra Lights 100's 100FHP	6.0±0.2	0.55±0.02	8.3±0.3
Century 25's (25) KFSP	14.7±0.3	1.04±0.03	16.8±0.4
Century 25's 100's 100FSP	15.8±0.3	1.18±0.03	18.8±0.4
Century 25's Lights (25) KFSP	8.0±0.2	0.69±0.02	9.5±0.2
Century 25's Lights 100's 100FSP	11.2±0.2	0.95±0.02	12.3±0.3
Century 25's Lights 100's Menthol 100FMSP	11.3±0.1	0.84±0.01	12.6±0.2
Chelsea 100FHP	10.2±0.2	0.81±0.01	9.7±0.2
Dakota KFHP	16.5±0.3	1.21±0.02	14.8±0.3
Dakota Lights KFHP	11.4±0.2	0.93±0.01	11.3±0.3
Doral Full Flavor KFSP	15.4±0.2	1.18±0.02	14.0±0.2
Doral Full Flavor Menthol KFMSP	16.0±0.3	1.17±0.03	14.7±0.3
Doral Full Flavor 100's 100FSP	15.6±0.2	1.19±0.02	16.3±0.3
Doral Full Flavor 100's Menthol 100FMSP	15.8±0.3	1.19±0.02	16.6±0.4
Doral Lights KFSP	10.3±0.2	0.83±0.02	10.5±0.2
Doral Lights Menthol KFMSP	9.5±0.2	0.73±0.02	9.6±0.2
Doral Lights 100's 100FSP	10.6±0.2	0.92±0.02	9.7±0.3
Doral Lights 100's Menthol 100FMSP	9.4±0.2	0.73±0.02	12.5±0.3
Doral Ultra Lights KFSP	5.2±0.1	0.52±0.01	6.6±0.1
Doral Ultra Lights 100's 100FSP	5.2±0.1	0.51±0.01	7.2±0.2
Horizon Lights 100FSP	10.8±0.1	0.82±0.01	11.4±0.2
Horizon Lights Menthol 100FMSP	11.4±0.2	0.89±0.02	11.2±0.1
Magna KFHP	16.4±0.6	1.17±0.05	15.3±0.4
Magna KFSP	15.4±0.3	1.15±0.03	15.1±0.3
Magna Lites KFHP	11.3±0.4	0.82±0.03	11.8±0.3
Magna Lites KFSP	11.7±0.2	0.84±0.02	12.5±0.3
More 120s 120FSP	16.1±0.3	1.23±0.02	19.3±0.4
More 120s Menthol 120FMSP	16.5±0.4	1.37±0.03	19.5±0.4
More Lights 100s 100FHP	9.4±0.2	0.78±0.02	9.6±0.2
More Lights 100s Menthol 100FMHP	8.8±0.1	0.70±0.01	9.2±0.2
More Lights 120s 120FSP	11.7±0.3	0.92±0.02	17.7±0.6
More Lights 120s Menthol 120FMSP	11.5±0.4	0.98±0.03	17.1±0.5
More White Lights 120s 120FSP	11.7±0.3	0.93±0.02	16.0±0.4
More White Lights 120s Menthol 120FMSP	11.7±0.3	0.98±0.03	16.3±0.3
Now KFHP	< 0.5	< 0.05	< 0.5
Now KFSP	1.0±0.1	0.13±0.01	1.9±0.1
Now Menthol KFMSP	0.9±0.0	0.12±0.01	1.8±0.1

Rev. 3/19/92

PM3001014858

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - R.J. Reynolds Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Now 100s 100FHP	< 0.5	< 0.05	< 0.5
Now 100s 100FSP	2.1±0.1	0.24±0.01	3.0±0.1
Now 100s Menthol 100FMSP	1.9±0.1	0.21±0.01	2.6±0.2
Ritz 100s 100FHP	9.9±0.2	0.82±0.02	10.3±0.3
Ritz 100s Menthol 100FMHP	11.3±0.2	0.87±0.02	10.8±0.2
Salem KFMHP	16.9±0.3	1.20±0.02	15.6±0.4
Salem KFMSP	17.0±0.3	1.27±0.02	15.7±0.4
Salem 100's 100FMSP	16.7±0.2	1.23±0.02	15.8±0.3
Salem Lights KFMSP	10.0±0.2	0.74±0.01	11.7±0.2
Salem Lights 100's 100FMHP	11.6±0.1	0.91±0.02	11.0±0.2
Salem Lights 100's 100FMSP	8.5±0.1	0.71±0.01	9.8±0.2
Salem Slim Lights 100's 100FMHP	8.9±0.1	0.73±0.01	8.9±0.2
Salem Ultra Lights KFMSP	4.8±0.1	0.44±0.01	6.7±0.2
Salem Ultra Lights 100's 100FMSP	4.7±0.1	0.44±0.01	6.7±0.2
Sterling 100FSP	15.2±0.2	1.08±0.02	15.9±0.3
Sterling Menthol 100FMSP	16.2±0.2	1.21±0.01	15.5±0.2
Sterling Lights 100FSP	10.3±0.2	0.81±0.02	11.2±0.3
Sterling Lights Menthol 100FMSP	8.8±0.2	0.76±0.01	9.7±0.2
Vantage KFSP	8.5±0.2	0.64±0.01	10.4±0.3
Vantage Menthol KFMSP	9.5±0.2	0.69±0.02	11.6±0.2
Vantage 100s 100FSP	8.6±0.2	0.68±0.01	9.9±0.3
Vantage 100s Menthol 100FMSP	8.2±0.2	0.62±0.02	11.1±0.2
Vantage Ultra Lights KFSP	4.9±0.1	0.44±0.01	6.8±0.2
Vantage Ultra Lights 100s 100FSP	4.8±0.1	0.44±0.01	7.2±0.2
Winston KFHP	17.3±0.3	1.21±0.03	15.6±0.4
Winston KFSP	18.2±0.3	1.54±0.03	14.3±0.4
Winston 100's 100FSP	17.0±0.2	1.11±0.02	17.3±0.2
Winston Lights KFHP	9.4±0.2	0.69±0.01	11.7±0.3
Winston Lights KFSP	10.3±0.2	0.75±0.02	10.8±0.3
* Winston Lights 100's 100FHP	10.6±0.2	0.80±0.02	12.3±0.2
Winston Lights 100's 100FSP	10.8±0.2	0.82±0.01	11.7±0.2
Winston Ultra Lights KFSP	6.1±0.1	0.56±0.01	8.0±0.2
Winston Ultra Lights 100's 100FSP	4.4±0.1	0.42±0.01	6.4±0.2

* Retested brand

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Test Results - Tobacco Exporters International (USA) Limited

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Craven A KFHP	13.6±0.2	1.10±0.02	12.5±0.3
Craven A Filter Standard Size RFHP	19.5±0.3	1.63±0.03	13.2±0.3
Dunhill International 100FHP	12.7±0.2	1.32±0.03	11.5±0.2
Dunhill Menthol 100FMHP	14.5±0.3	1.28±0.03	15.4±0.3
Dunhill Menthol Mild 100FMHP	9.6±0.2	0.85±0.02	10.5±0.2
Dunhill Int. Superior Mild 100FHP	8.5±0.2	0.83±0.02	8.7±0.2
Rothmans KFHP	17.2±0.3	1.30±0.03	16.9±0.4
Rothmans Special Mild KFHP	12.9±0.2	1.06±0.02	12.9±0.2
St. Moritz Filter 100FSP	14.6±0.2	1.07±0.02	14.8±0.3
St. Moritz Filter Menthol 100FMSP	14.9±0.1	1.13±0.02	15.0±0.2

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

PM3001014861

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Carlton Ultra KFHP	< 0.5	< 0.05	< 0.5
Now KFHP	< 0.5	< 0.05	< 0.5
Now 100s 100FHP	< 0.5	< 0.05	< 0.5
Now Menthol KFMSP	0.9±0.0	0.12±0.01	1.8±0.1
Now KFSP	1.0±0.1	0.13±0.01	1.9±0.1
Carlton KFSP	1.0±0.1	0.14±0.01	1.9±0.1
Carlton 100's Menthol 100FMHP	1.0±0.1	0.13±0.01	1.3±0.1
Carlton Menthol KFMSP	1.0±0.1	0.13±0.01	1.8±0.1
Carlton 100's 100FHP	1.2±0.1	0.15±0.01	1.5±0.1
Carlton 83 KFHP	1.2±0.1	0.16±0.01	2.0±0.1
Now 100s Menthol 100FMSP	1.9±0.1	0.21±0.01	2.6±0.2
Carlton 100's 100FSP	1.9±0.1	0.21±0.01	2.4±0.1
Carlton 100's Menthol 100FMSP	2.0±0.1	0.23±0.01	2.5±0.1
Kool Ultra KFMSP	2.0±0.1	0.19±0.01	2.0±0.1
Now 100s 100FSP	2.1±0.1	0.24±0.01	3.0±0.1
Triumph KFSP	3.1±0.1	0.32±0.01	3.6±0.1
Kent III Ultra Lights KFSP	3.5±0.2	0.36±0.01	4.1±0.2
Triumph Menthol KFMSP	3.7±0.2	0.36±0.02	4.3±0.3
Style Ultra Lights 100FHP	4.0±0.1	0.39±0.01	5.1±0.2
Cambridge Ultra Low Tar 100's 100FSP	4.0±0.1	0.37±0.01	5.8±0.2
True KFSP	4.1±0.2	0.39±0.01	4.9±0.2
True Menthol KFMSP	4.2±0.2	0.40±0.02	5.0±0.3
Kent III Ultra Lights 100s 100FHP	4.3±0.1	0.42±0.01	5.7±0.2
Winston Ultra Lights 100's 100FSP	4.4±0.1	0.42±0.01	6.4±0.2
Triumph 100s 100FSP	4.5±0.2	0.43±0.02	5.9±0.2
Merit Ultra Lights KFSP	4.7±0.1	0.46±0.01	5.2±0.1
Merit Ultra Lights Menthol KFMSP	4.7±0.1	0.44±0.01	5.6±0.2
Salem Ultra Lights 100's 100FMSP	4.7±0.1	0.44±0.01	6.7±0.2
Merit Ultra Lights KFHP	4.7±0.1	0.44±0.01	5.6±0.1
Kent III Ultra Lights 100s 100FSP	4.8±0.2	0.45±0.01	6.3±0.3
Salem Ultra Lights KFMSP	4.8±0.1	0.44±0.01	6.7±0.2
Vantage Ultra Lights 100s 100FSP	4.8±0.1	0.44±0.01	7.2±0.2
Vantage Ultra Lights KFSP	4.9±0.1	0.44±0.01	6.8±0.2
Triumph 100s Menthol 100FMSP	5.0±0.2	0.48±0.02	6.5±0.3
Tareyton Lights KFSP	5.1±0.2	0.46±0.01	5.6±0.2
Merit Ultra Lights 100's Menthol 100FMSP	5.2±0.2	0.48±0.01	6.9±0.2
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	5.2±0.2	0.44±0.01	6.3±0.2
Kool Ultra 100's 100FMSP	5.2±0.2	0.46±0.02	5.0±0.2
Doral Ultra Lights 100's 100FSP	5.2±0.1	0.51±0.01	7.2±0.2
Eve Ultra Lights Slim 120's 120FHP	5.2±0.1	0.51±0.01	3.7±0.1
Doral Ultra Lights KFSP	5.2±0.1	0.52±0.01	6.6±0.1
Pyramid Ultra Lights 100's 100FSP	5.3±0.2	0.49±0.02	4.9±0.2
Merit Ultra Lights 100's 100FHP	5.3±0.1	0.50±0.01	6.9±0.1
Kool Deluxe Ultra KFMHP	5.3±0.2	0.54±0.01	6.6±0.1
Carlton 120's Menthol 120FMSP	5.3±0.2	0.52±0.02	4.2±0.2

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Eve Ultra Lights Slim 120's Menthol 120FMHP	5.3±0.2	0.51±0.02	3.7±0.1
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	5.4±0.2	0.47±0.01	6.1±0.2
Virginia Slims Ultra Lights 100 Menthol 100FMHP	5.4±0.1	0.48±0.01	5.4±0.2
Carlton 120's 120FSP	5.5±0.2	0.52±0.01	4.4±0.1
Merit Ultra Lights 100's 100FSP	5.5±0.2	0.52±0.01	6.3±0.2
Virginia Slims Ultra Lights 100 100FHP	5.5±0.1	0.48±0.01	5.6±0.2
Marlboro Ultra Lights 100's 100FHP	5.6±0.1	0.49±0.01	7.3±0.2
Camel Ultra Lights KFHP	5.6±0.2	0.54±0.01	7.9±0.2
Eve Ultra Lights Slim 100's 100FHP	5.7±0.2	0.55±0.01	4.4±0.1
Virginia Slims Superslims 100 100FHP	5.7±0.3	0.51±0.02	6.5±0.4
Marlboro Ultra Lights KFHP	5.7±0.2	0.50±0.01	6.5±0.2
Montclair Ultra Lights 100's 100FSP	5.8±0.2	0.52±0.01	7.3±0.2
Malibu Ultra Lights 100's 100FSP	5.8±0.1	0.53±0.01	7.4±0.2
Camel Ultra Lights KFSP	5.8±0.2	0.56±0.02	8.0±0.3
L & M 30's Ultra Lights 100's 100FSP	5.8±0.1	0.55±0.01	4.7±0.1
Kool Deluxe Ultra 100's 100FMHP	5.8±0.1	0.58±0.01	6.8±0.2
Eve Ultra Lights Slim 100's Menthol 100FMHP	5.8±0.2	0.56±0.01	4.5±0.1
Virginia Slims Superslims 100 Menthol 100FMHP	5.9±0.3	0.50±0.02	6.4±0.4
Class A Deluxe Ultra Lights 100's 100FSP	5.9±0.1	0.55±0.01	5.6±0.1
Camel Ultra Lights 100's 100FHP	6.0±0.2	0.55±0.02	8.3±0.3
Winston Ultra Lights KFSP	6.1±0.1	0.56±0.01	8.0±0.2
True 100's 100FSP	6.1±0.2	0.56±0.02	6.7±0.3
True 100's Menthol 100FMSP	6.1±0.3	0.56±0.02	6.8±0.3
Kent Golden Lights KFHP	7.3±0.1	0.64±0.01	9.5±0.2
Merit KFSP	7.5±0.1	0.59±0.01	9.1±0.2
Merit Menthol KFMSP	7.6±0.2	0.61±0.02	8.9±0.3
L & M Long Lights 100FSP	7.6±0.2	0.76±0.02	6.1±0.2
Tareyton Long Lights 100FSP	7.7±0.1	0.67±0.01	8.5±0.2
B & H De-Nic 100's Menthol 100FMHP	7.7±0.2	0.08±0.00	7.6±0.2
Merit KFHP	7.8±0.1	0.60±0.01	9.1±0.2
Kool Lights KFMSP	7.8±0.2	0.66±0.02	8.2±0.1
Kent Golden Lights Menthol KFMSP	7.9±0.1	0.66±0.02	10.5±0.2
Old Gold Lights KFSP	7.9±0.2	0.68±0.01	10.4±0.3
Kent Golden Lights KFSP	7.9±0.2	0.68±0.01	10.5±0.3
Century 25's Lights (25) KFSP	8.0±0.2	0.69±0.02	9.5±0.2
Virginia Slims Lights 100FHP	8.1±0.2	0.66±0.01	8.0±0.3
Lucky Strike Lights KFSP	8.1±0.2	0.68±0.02	9.5±0.3
Newport Lights 100's 100FMHP	8.1±0.2	0.72±0.01	9.2±0.3
Kool Lights 100's 100FMSP	8.1±0.2	0.68±0.01	8.8±0.2
Harley Davidson Lights KFSP	8.1±0.2	0.69±0.01	10.7±0.2
B & H De-Nic KFHP	8.2±0.2	0.08±0.00	8.0±0.3
Newport Lights KFMSP	8.2±0.1	0.68±0.01	10.7±0.2
Vantage 100s Menthol 100FMSP	8.2±0.2	0.62±0.02	11.1±0.2
Newport Lights KFMHP	8.2±0.2	0.68±0.01	10.9±0.3
Cartier 100 10's Menthol 100FMHP	8.2±0.2	0.70±0.01	7.2±0.2
Misty Slims 100's Lights Menthol 100FMHP	8.3±0.2	0.72±0.02	8.1±0.2

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Virginia Slims Lights Menthol 100FMHP	8.3±0.2	0.66±0.02	7.9±0.1
B & H De-Nic 100's 100FHP	8.3±0.1	0.09±0.00	7.9±0.2
Cartier 100 20's 100FHP	8.4±0.2	0.72±0.01	7.3±0.2
Belair 100's 100FMSP	8.4±0.2	0.63±0.02	8.5±0.2
Dunhill Int. Superior Mild 100FHP	8.5±0.2	0.83±0.02	8.7±0.2
Salem Lights 100's 100FMSP	8.5±0.1	0.71±0.01	9.8±0.2
Vantage KFSP	8.5±0.2	0.64±0.01	10.4±0.3
Next De-Nic Menthol KFMSP	8.5±0.2	0.08±0.00	8.1±0.1
Kent Golden Lights 100s 100FHP	8.6±0.2	0.74±0.02	9.8±0.3
B & H De-Nic Menthol KFMHP	8.6±0.1	0.08±0.00	8.2±0.2
Cartier 100 20's Menthol 100FMHP	8.6±0.2	0.73±0.01	7.4±0.2
Kent Golden Lights 100s 100FSP	8.6±0.2	0.77±0.02	9.7±0.4
Vantage 100s 100FSP	8.6±0.2	0.68±0.01	9.9±0.3
Cartier 100 10's 100FHP	8.7±0.2	0.74±0.02	7.8±0.1
Malibu Lights KFSP	8.7±0.2	0.75±0.01	8.8±0.3
Raleigh Extra Lights 100's Menthol 100FMSP	8.8±0.2	0.71±0.01	9.7±0.2
Parliament Lights KFHP	8.8±0.2	0.68±0.02	9.4±0.2
Misty Slims 100's Lights 100FHP	8.8±0.2	0.76±0.02	8.6±0.2
Sterling Lights Menthol 100FMSP	8.8±0.2	0.76±0.01	9.7±0.2
Kool Deluxe Lights KFMHP	8.8±0.1	0.80±0.02	10.0±0.2
Kent Golden Lights 100s Menthol 100FMSP	8.8±0.2	0.76±0.02	10.4±0.4
Newport Lights 100's 100FMSP	8.8±0.3	0.78±0.02	9.6±0.4
More Lights 100s Menthol 100FMHP	8.8±0.1	0.70±0.01	9.2±0.2
Lucky Strike Lights 100's 100FSP	8.9±0.2	0.75±0.02	10.0±0.2
Salem Slim Lights 100's 100FMHP	8.9±0.1	0.73±0.01	8.9±0.2
Belair Low Price Lights KFMSP	8.9±0.1	0.80±0.01	9.5±0.2
Parliament Lights KFSP	9.0±0.2	0.72±0.02	9.5±0.2
Malibu Lights 100's 100FSP	9.0±0.2	0.79±0.02	10.6±0.3
Next De-Nic 100 100FSP	9.1±0.1	0.09±0.00	8.6±0.2
Alpine Lights KFMSP	9.1±0.2	0.70±0.01	9.7±0.2
Capri Menthol 100FMHP	9.2±0.2	0.70±0.02	5.8±0.2
Alpine Lights KFMHP	9.3±0.1	0.71±0.01	9.8±0.2
Pall Mall Lights 100's 100FSP	9.3±0.2	0.78±0.02	11.1±0.3
More Lights 100s 100FHP	9.4±0.2	0.78±0.02	9.6±0.2
Marlboro Lights 100's Menthol 100FMHP	9.4±0.2	0.76±0.02	10.5±0.2
Camel Lights KFHP	9.4±0.1	0.68±0.01	11.8±0.2
Winston Lights KFHP	9.4±0.2	0.69±0.01	11.7±0.3
Doral Lights 100's Menthol 100FMSP	9.4±0.2	0.73±0.02	12.5±0.3
Next De-Nic KFSP	9.4±0.1	0.09±0.00	8.7±0.2
Alpine Lights 100's 100FMSP	9.4±0.2	0.74±0.01	10.9±0.2
Vantage Menthol KFMSP	9.5±0.2	0.69±0.02	11.6±0.2
Belair Low Price Lights 100's 100FMSP	9.5±0.2	0.88±0.02	10.4±0.2
Capri 100FHP	9.5±0.2	0.76±0.02	6.0±0.2
Doral Lights Menthol KFMSP	9.5±0.2	0.73±0.02	9.6±0.2
Dunhill Menthol Mild 100FMHP	9.6±0.2	0.85±0.02	10.5±0.2
Merit 100's 100FSP	9.6±0.2	0.76±0.01	10.6±0.2

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kool Deluxe Lights 100's 100FMHP	9.7±0.3	0.90±0.02	9.9±0.3
Raleigh Extra Lights Menthol KFMSP	9.7±0.2	0.71±0.02	11.2±0.2
Marlboro Lights Menthol KFMHP	9.7±0.2	0.76±0.02	9.8±0.3
Chesterfield Filter Lights KFSP	9.7±0.2	0.74±0.01	11.1±0.2
Players Lights 25's Menthol KFMSP	9.8±0.2	0.76±0.01	10.1±0.2
Ritz 100s 100FHP	9.9±0.2	0.82±0.02	10.3±0.3
Players Lights 25's KFSP	9.9±0.2	0.76±0.02	10.0±0.2
Merit 100's Menthol 100FMSP	9.9±0.2	0.78±0.01	11.1±0.3
Bull Durham Lights KFHP	9.9±0.2	0.82±0.02	10.3±0.3
Newport Stripes Slim Lights 100FMHP	9.9±0.3	0.78±0.01	11.3±0.3
Salem Lights KFMSP	10.0±0.2	0.74±0.01	11.7±0.2
Marlboro Lights 100's 100FSP	10.0±0.2	0.77±0.02	11.5±0.3
Bristol Lights Menthol KFMSP	10.1±0.2	0.81±0.01	11.4±0.2
Bristol Lights 100's 100FSP	10.1±0.2	0.84±0.02	12.5±0.3
Bucks Lights KFSP	10.1±0.2	0.75±0.01	11.3±0.2
Chelsea 100FHP	10.2±0.2	0.81±0.01	9.7±0.2
Bristol Lights KFSP	10.2±0.2	0.81±0.01	11.7±0.2
Belair KFMSP	10.2±0.2	0.79±0.02	9.7±0.2
Benson & Hedges Lights 100's Menthol 100FMSP	10.2±0.2	0.78±0.02	11.1±0.2
Chesterfield Filter Lights 100's 100FSP	10.2±0.2	0.81±0.02	10.7±0.2
Benson & Hedges Lights 100's 100FHP	10.3±0.1	0.80±0.01	11.0±0.3
Doral Lights KFSP	10.3±0.2	0.83±0.02	10.5±0.2
Winston Lights KFSP	10.3±0.2	0.75±0.02	10.8±0.3
Sterling Lights 100FSP	10.3±0.2	0.81±0.02	11.2±0.3
Benson & Hedges Lights 100's 100FSP	10.3±0.2	0.79±0.01	11.4±0.3
Heritage Lights KFSP	10.5±0.2	0.86±0.01	12.5±0.4
Marlboro Lights KFHP	10.5±0.2	0.78±0.01	11.3±0.3
Benson & Hedges Lights 100's Menthol 100FMHP	10.6±0.2	0.81±0.01	11.0±0.3
Doral Lights 100's 100FSP	10.6±0.2	0.92±0.02	9.7±0.3
Class A Deluxe Lights 100's 100FSP	10.6±0.2	0.86±0.01	11.6±0.2
Pyramid Lights KFSP	10.6±0.2	0.81±0.01	11.8±0.2
Marlboro Lights 100's 100FHP	10.6±0.2	0.80±0.01	11.6±0.2
* Winston Lights 100's 100FHP	10.6±0.2	0.80±0.02	12.3±0.2
Bristol Lights 100's Menthol 100FMSP	10.6±0.2	0.88±0.02	12.8±0.3
Marlboro Lights 25's KFSP	10.6±0.2	0.80±0.01	10.8±0.2
Raleigh Extra Lights KFSP	10.6±0.2	0.71±0.01	12.8±0.4
Marlboro Lights KFSP	10.7±0.2	0.79±0.02	11.2±0.3
Pyramid Lights 100's 100FSP	10.8±0.2	0.87±0.02	11.5±0.2
Horizon Lights 100FSP	10.8±0.1	0.82±0.01	11.4±0.2
Winston Lights 100's 100FSP	10.8±0.2	0.82±0.01	11.7±0.2
Style Lights 100FHP	10.9±0.2	0.89±0.01	13.0±0.3
Satin 100FSP	10.9±0.2	0.90±0.02	12.5±0.4
American Lights 100's Menthol 100FMSP	10.9±0.2	0.94±0.02	11.1±0.2
Cambridge Lights 100's 100FSP	10.9±0.2	0.80±0.01	12.5±0.2

* Retested brand

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Players Menthol KFMHP	10.9±0.2	0.82±0.02	11.0±0.3
Style Lights Menthol 100FMHP	11.0±0.2	0.86±0.01	13.0±0.2
Pyramid Lights 100's Menthol 100FMSP	11.0±0.2	0.88±0.02	11.7±0.3
Camel Lights 100's 100FSP	11.0±0.1	0.82±0.01	12.1±0.2
Harley Davidson KFSP	11.0±0.2	0.81±0.01	11.9±0.3
Viceroy Lights KFHP	11.1±0.2	0.86±0.01	11.6±0.3
Silva Thins Filters 100FHP	11.1±0.2	0.91±0.02	10.6±0.3
Viceroy Lights KFSP	11.1±0.2	0.87±0.02	11.7±0.3
Satin Menthol 100FMSP	11.1±0.2	0.93±0.02	12.6±0.3
Heritage Lights 100s 100FSP	11.1±0.2	0.91±0.02	14.0±0.3
Cambridge Lights 100's Menthol 100FMSP	11.1±0.1	0.83±0.01	12.8±0.3
Malibu Menthol 100's 100FMSP	11.2±0.2	0.95±0.02	11.4±0.3
Newport Stripes 100FHP	11.2±0.2	0.91±0.02	14.0±0.4
American Lights KFSP	11.2±0.1	0.90±0.01	11.9±0.2
Players Lights 25's 100's 100FSP	11.2±0.2	0.85±0.02	12.7±0.3
Newport Stripes 100FMHP	11.2±0.2	0.86±0.01	14.0±0.4
Raleigh Lights KFSP	11.2±0.2	0.87±0.01	12.1±0.2
Century 25's Lights 100's 100FSP	11.2±0.2	0.95±0.02	12.3±0.3
Montclair Lights Menthol KFMSP	11.3±0.2	0.89±0.01	11.9±0.2
L & M Super 100 100FSP	11.3±0.2	0.92±0.02	11.7±0.3
Century 25's Lights 100's Menthol 100FMSP	11.3±0.1	0.84±0.01	12.6±0.2
Players KFHP	11.3±0.2	0.84±0.01	11.2±0.3
Ritz 100s Menthol 100FMHP	11.3±0.2	0.87±0.02	10.8±0.2
Magna Lites KFHP	11.3±0.4	0.82±0.03	11.8±0.3
Montclair Lights KFSP	11.4±0.2	0.92±0.02	11.9±0.2
Kool Milds KFMSP	11.4±0.2	0.86±0.02	11.5±0.2
Players Lights 25's 100's Menthol 100FMSP	11.4±0.2	0.87±0.01	12.6±0.2
Dakota Lights KFHP	11.4±0.2	0.93±0.01	11.3±0.3
Horizon Lights Menthol 100FMSP	11.4±0.2	0.89±0.02	11.2±0.1
L & M 30's Lights 100's 100FSP	11.5±0.2	0.92±0.01	9.1±0.2
Kent KFHP	11.5±0.2	0.81±0.01	12.5±0.3
More Lights 120s Menthol 120FMSP	11.5±0.4	0.98±0.03	17.1±0.5
Camel Lights KFSP	11.5±0.1	0.83±0.01	11.9±0.2
B & H Multifilter KFSP	11.5±0.3	0.88±0.02	10.1±0.3
Salem Lights 100's 100FMHP	11.6±0.1	0.91±0.02	11.0±0.2
Parliament Lights 100's 100FSP	11.6±0.2	0.92±0.02	11.4±0.3
American Lights 100's 100FSP	11.6±0.2	0.97±0.02	12.0±0.3
Kool Milds KFMHP	11.6±0.2	0.87±0.02	11.0±0.3
Richland Lights 25's KFSP	11.6±0.2	0.92±0.02	12.2±0.2
Richland 20's Lights KFSP	11.6±0.2	0.91±0.01	12.0±0.3
Cambridge Lights KFSP	11.7±0.2	0.83±0.02	11.4±0.3
Old Gold Lights 100s 100FSP	11.7±0.2	0.95±0.02	14.2±0.3
More Lights 120s 120FSP	11.7±0.3	0.92±0.02	17.7±0.6
More White Lights 120s Menthol 120FMSP	11.7±0.3	0.98±0.03	16.3±0.3
Kool Milds 100's 100FMSP	11.7±0.2	0.90±0.02	11.9±0.2
Magna Lites KFSP	11.7±0.2	0.84±0.02	12.5±0.3

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
More White Lights 120s 120FSP	11.7±0.3	0.93±0.02	16.0±0.4
Lark Lights KFSP	11.8±0.3	0.88±0.02	10.4±0.3
Montclair Lights 100's Menthol 100FMSP	11.8±0.2	0.96±0.01	12.6±0.3
Cambridge Lights Menthol KFMSP	11.9±0.3	0.86±0.02	11.9±0.3
Silva Thins Menthol 100FMHP	11.9±0.3	0.98±0.02	10.7±0.3
Raleigh Extra Lights 100's 100FSP	11.9±0.2	0.81±0.01	14.7±0.4
Viceroy Lights 100's 100FSP	11.9±0.2	0.93±0.02	13.0±0.3
Kent KFSP	12.0±0.1	0.86±0.01	13.2±0.3
Capri Super Slim 120's Menthol 120FMHP	12.0±0.3	0.89±0.02	7.4±0.2
Class A Deluxe Lights KFSP	12.1±0.2	0.90±0.02	11.5±0.2
Montclair Lights 100's 100FSP	12.2±0.1	0.99±0.01	13.1±0.3
Viceroy Lights 100's 100FHP	12.2±0.1	0.90±0.01	13.5±0.3
Lark Light 100's 100FSP	12.2±0.2	0.96±0.02	11.0±0.2
Raleigh Lights 100's 100FSP	12.3±0.3	0.94±0.02	14.2±0.4
Richland Lights 25's 100's 100FSP	12.6±0.2	0.94±0.01	14.1±0.4
Eve Lights 120's Menthol 120FMHP	12.6±0.2	1.00±0.02	11.0±0.3
Kent 100s Menthol 100FMSP	12.7±0.1	0.95±0.01	12.7±0.3
Kent 100s 100FSP	12.7±0.2	0.94±0.01	12.9±0.3
L & M KFSP	12.7±0.2	0.95±0.01	11.8±0.2
L & M KFHP	12.7±0.2	0.94±0.01	11.9±0.2
Dunhill International 100FHP	12.7±0.2	1.32±0.03	11.5±0.2
Richland 20's Lights 100's 100FSP	12.7±0.2	0.98±0.02	14.2±0.3
Eve Lights 120's 120FHP	12.9±0.4	1.00±0.03	11.3±0.4
Rothmans Special Mild KFHP	12.9±0.2	1.06±0.02	12.9±0.2
Lucky Strike KFSP	13.0±0.2	1.00±0.02	13.3±0.3
Lucky Strike KFHP	13.1±0.2	1.02±0.02	13.3±0.2
Hi-Lite 100FHP	13.3±0.2	1.09±0.02	13.1±0.3
Virginia Slims Lights 120's Menthol 120FMHP	13.3±0.3	0.99±0.02	12.6±0.3
Lark KFSP	13.3±0.3	1.00±0.02	11.7±0.2
Lucky Strike Filters 100's 100FSP	13.4±0.1	1.11±0.01	12.6±0.2
Pyramid Full Flavor Menthol KFMSP	13.4±0.3	1.02±0.03	12.5±0.3
Capri Super Slim 120's 120FHP	13.5±0.2	1.03±0.02	8.9±0.2
Craven A KFHP	13.6±0.2	1.10±0.02	12.5±0.3
Tareyton 100's 100FSP	13.6±0.2	1.02±0.01	16.6±0.3
Lark 100FSP	13.7±0.2	1.07±0.02	13.0±0.3
Belair Low Price 100's 100FMSP	13.8±0.2	1.18±0.01	13.3±0.2
Pyramid Full Flavor KFSP	13.9±0.2	1.04±0.02	12.6±0.3
Players 100's 100FHP	13.9±0.2	1.04±0.02	12.3±0.3
Players 100's Menthol 100FMHP	13.9±0.2	1.03±0.02	12.5±0.3
Virginia Slims Lights 120's 120FHP	14.0±0.3	1.05±0.02	13.5±0.4
Tareyton KFSP	14.1±0.3	1.01±0.02	15.4±0.4
Bucks Full Flavor KFSP	14.1±0.3	0.98±0.02	13.0±0.3
L & M 30's 100's 100FSP	14.2±0.3	1.07±0.02	12.7±0.3
Saratoga 120's Menthol 120FMHP	14.2±0.3	1.07±0.03	13.0±0.4
Benson & Hedges KFHP	14.2±0.4	1.18±0.03	11.0±0.3
Saratoga 120's 120FHP	14.4±0.3	1.07±0.02	13.7±0.3

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Pyramid Full Flavor 100's Menthol 100FMSP	14.5±0.2	1.13±0.02	13.7±0.2
Belair Low Price KFMSP	14.5±0.3	1.16±0.02	13.3±0.2
Dunhill Menthol 100FMHP	14.5±0.3	1.28±0.03	15.4±0.3
St. Moritz Filter 100FSP	14.6±0.2	1.07±0.02	14.8±0.3
Pyramid Full Flavor 100's 100FSP	14.6±0.3	1.15±0.03	13.6±0.3
Class A Deluxe Full Flavor 100's 100FSP	14.6±0.2	1.11±0.02	13.7±0.3
Pall Mall Gold Lights 100's 100FSP	14.6±0.2	1.16±0.02	13.8±0.2
Virginia Slims 100FSP	14.6±0.2	1.05±0.02	12.6±0.2
Century 25's (25) KFSP	14.7±0.3	1.04±0.03	16.8±0.4
Camel Filters KFSP	14.7±0.3	1.06±0.02	13.0±0.2
Virginia Slims Menthol 100FMSP	14.7±0.2	1.04±0.01	12.4±0.3
Class A Deluxe Full Flavor KFSP	14.8±0.2	1.07±0.02	13.7±0.3
Bull Durham KFHP	14.8±0.2	1.10±0.03	15.5±0.3
St. Moritz Filter Menthol 100FMSP	14.9±0.1	1.13±0.02	15.0±0.2
Raleigh KFSP	14.9±0.2	0.95±0.01	13.7±0.3
Alpine 100's 100FMSP	14.9±0.2	1.06±0.02	14.2±0.3
Alpine KFMSP	15.0±0.3	0.99±0.02	14.8±0.4
Pall Mall 100's 100FSP	15.1±0.2	1.19±0.02	14.1±0.2
Sterling 100FSP	15.2±0.2	1.08±0.02	15.9±0.3
Raleigh 100's 100FSP	15.2±0.2	1.00±0.01	15.4±0.2
Pall Mall Red Filters KFSP	15.2±0.2	1.17±0.01	13.1±0.3
Bristol Full Flavor 100's 100FSP	15.3±0.3	1.12±0.02	17.5±0.4
Alpine KFMHP	15.3±0.2	1.03±0.02	13.9±0.2
Pall Mall Red Filters 100's 100FSP	15.4±0.2	1.17±0.01	14.3±0.3
Kool KFMHP	15.4±0.2	1.03±0.02	15.4±0.3
Doral Full Flavor KFSP	15.4±0.2	1.18±0.02	14.0±0.2
Malibu 100's 100FSP	15.4±0.2	1.20±0.02	14.7±0.3
Benson & Hedges 100's Menthol 100FMSP	15.4±0.2	1.10±0.02	14.0±0.3
Magna KFSP	15.4±0.3	1.15±0.03	15.1±0.3
Malibu Filters KFSP	15.5±0.3	1.19±0.02	13.7±0.4
Max 120s 120FSP	15.5±0.3	1.24±0.02	15.9±0.5
Marlboro Menthol KFMSP	15.6±0.2	1.04±0.02	15.4±0.3
Doral Full Flavor 100's 100FSP	15.6±0.2	1.19±0.02	16.3±0.3
Max 120s Menthol 120FMSP	15.6±0.2	1.25±0.02	16.0±0.4
Marlboro KFSP	15.6±0.3	1.08±0.02	13.6±0.3
Raleigh Extra 100's 100FSP	15.6±0.2	0.95±0.02	18.4±0.3
Benson & Hedges 100's Menthol 100FMHP	15.6±0.3	1.14±0.02	14.4±0.3
Tall 120's Menthol 120FMSP	15.6±0.4	1.41±0.03	14.3±0.3
Benson & Hedges 100's 100FHP	15.7±0.3	1.14±0.02	14.9±0.3
Century 25's 100's 100FSP	15.8±0.3	1.18±0.03	18.8±0.4
Marlboro KFHP	15.8±0.2	1.06±0.01	13.9±0.3
Doral Full Flavor 100's Menthol 100FMSP	15.8±0.3	1.19±0.02	16.6±0.4
Bristol Full Flavor KFSP	15.9±0.2	1.14±0.02	15.5±0.3
Richland 25's Menthol KFMSP	15.9±0.2	1.03±0.02	15.5±0.4
Marlboro 100's 100FHP	16.0±0.3	1.13±0.02	15.5±0.3
Richland 20's 100's Menthol 100FMSP	16.0±0.2	1.15±0.02	15.8±0.4

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Richland 20's Menthol KFMSP	16.0±0.2	1.08±0.02	15.2±0.3
Montclair Full Flavor KFSP	16.0±0.3	1.21±0.03	14.1±0.4
Newport KFMHP	16.0±0.2	1.17±0.02	16.3±0.3
Malibu Menthol KFMSP	16.0±0.3	1.27±0.02	13.9±0.3
Doral Full Flavor Menthol KFMSP	16.0±0.3	1.17±0.03	14.7±0.3
More 120s 120FSP	16.1±0.3	1.23±0.02	19.3±0.4
Kool Super Longs 100's 100FMSP	16.1±0.2	1.17±0.01	16.0±0.3
Philip Morris International 100FHP	16.2±0.3	1.14±0.02	15.4±0.4
Benson & Hedges 100's 100FSP	16.2±0.2	1.14±0.02	15.5±0.2
Viceroy KFHP	16.2±0.3	1.13±0.02	13.5±0.3
Sterling Menthol 100FMSP	16.2±0.2	1.21±0.01	15.5±0.2
Marlboro 25's KFSP	16.3±0.3	1.12±0.02	14.1±0.4
Kool KFMSP	16.4±0.2	1.09±0.02	15.9±0.3
Montclair Full Flavor 100's 100FSP	16.4±0.3	1.24±0.02	16.1±0.3
Marlboro 100's 100FSP	16.4±0.2	1.17±0.02	15.0±0.2
Viceroy Super Long 100's 100FHP	16.4±0.2	1.19±0.02	14.1±0.3
American Filter King KFSP	16.4±0.3	1.26±0.03	14.5±0.3
American Filter 100's 100FSP	16.4±0.3	1.27±0.02	15.6±0.4
Magna KFHP	16.4±0.6	1.17±0.05	15.3±0.4
Philip Morris International Menthol 100FMHP	16.5±0.2	1.18±0.02	15.4±0.2
Dakota KFHP	16.5±0.3	1.21±0.02	14.8±0.3
More 120s Menthol 120FMSP	16.5±0.4	1.37±0.03	19.5±0.4
Camel Filters 100's 100FSP	16.6±0.3	1.08±0.02	16.3±0.3
Richland 25's KFSP	16.6±0.2	1.17±0.02	14.4±0.4
Viceroy KFSP	16.7±0.2	1.19±0.02	14.2±0.3
Salem 100's 100FMSP	16.7±0.2	1.23±0.02	15.8±0.3
Cambridge Full Flavor 100's 100FSP	16.9±0.2	1.10±0.02	16.4±0.4
Cambridge Full Flavor KFSP	16.9±0.3	1.11±0.02	14.8±0.3
Richland 20's KFSP	16.9±0.2	1.21±0.02	14.5±0.3
Old Gold Filters KFSP	16.9±0.3	1.25±0.02	16.9±0.4
Salem KFMHP	16.9±0.3	1.20±0.02	15.6±0.4
Winston 100's 100FSP	17.0±0.2	1.11±0.02	17.3±0.2
Salem KFMSP	17.0±0.3	1.27±0.02	15.7±0.4
Tall 120's 120FSP	17.2±0.3	1.38±0.03	17.8±0.4
Newport KFMSP	17.2±0.2	1.27±0.02	17.4±0.4
Rothmans KFHP	17.2±0.3	1.30±0.03	16.9±0.4
Winston KFHP	17.3±0.3	1.21±0.03	15.6±0.4
Newport 25's KFMSP	17.3±0.2	1.27±0.02	17.1±0.3
Camel Filters KFHP	17.3±0.3	1.24±0.03	15.5±0.3
Richland 20's 100's 100FSP	17.4±0.4	1.32±0.03	15.7±0.3
Raleigh Extra KFSP	17.5±0.3	1.03±0.02	16.9±0.5
Viceroy Super Long 100's 100FSP	17.5±0.2	1.24±0.02	15.4±0.3
Richland 25's 100's 100FSP	17.6±0.3	1.30±0.03	16.1±0.4
Chesterfield RNFSP	17.7±0.4	1.11±0.02	10.9±0.4
Old Gold Filter 100's 100FSP	18.1±0.3	1.38±0.02	18.5±0.4
Winston KFSP	18.2±0.3	1.54±0.03	14.3±0.4

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Tar" Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Newport 25's 100's 100FMSP	18.4±0.2	1.40±0.02	18.9±0.3
Newport 100's 100FMSP	18.6±0.3	1.45±0.02	18.7±0.4
Newport 100's 100FMHP	18.6±0.3	1.43±0.02	18.6±0.4
Spring 100's Menthol 100FMSP	19.0±0.3	1.46±0.03	19.5±0.4
Craven A Filter Standard Size RFHP	19.5±0.3	1.63±0.03	13.2±0.3
Kool RNFMSP	20.7±0.6	1.31±0.04	13.5±0.4
Pyramid KNFSP	21.4±0.4	1.33±0.03	13.9±0.4
Camel RNFSP	21.8±0.3	1.52±0.03	12.8±0.4
Commander RNFSP	22.0±0.4	1.41±0.02	12.3±0.2
Chesterfield KNFSP	22.2±0.3	1.40±0.03	14.2±0.3
Raleigh KNFSP	23.4±0.5	1.38±0.03	15.7±0.4
English Ovals KNFHP	24.3±0.5	1.91±0.04	15.1±0.6
Players RNFHP	24.7±0.5	1.80±0.04	14.8±0.3
Lucky Strike RNFSP	24.7±0.5	1.62±0.04	16.0±0.5
Herbert Tareyton KNFSP	25.4±0.5	1.65±0.03	17.7±0.3
Pall Mall KNFSP	25.6±0.4	1.75±0.03	16.5±0.4
Old Gold Straights KNFSP	26.3±0.4	1.83±0.04	18.3±0.3
Bristol KNFSP	26.7±0.5	1.67±0.03	16.0±0.5
Commander KNFSP	27.1±0.3	1.70±0.02	16.2±0.4

PM3001014870

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Carlton Ultra KFHP	< 0.05	< 0.5	< 0.5
Now KFHP	< 0.05	< 0.5	< 0.5
Now 100s 100FHP	< 0.05	< 0.5	< 0.5
B & H De-Nic 100's Menthol 100FMHP	0.08±0.00	7.7±0.2	7.6±0.2
Next De-Nic Menthol KFMSP	0.08±0.00	8.5±0.2	8.1±0.1
B & H De-Nic KFHP	0.08±0.00	8.2±0.2	8.0±0.3
B & H De-Nic Menthol KFMHP	0.08±0.00	8.6±0.1	8.2±0.2
B & H De-Nic 100's 100FHP	0.09±0.00	8.3±0.1	7.9±0.2
Next De-Nic KFSP	0.09±0.00	9.4±0.1	8.7±0.2
Next De-Nic 100 100FSP	0.09±0.00	9.1±0.1	8.6±0.2
Now Menthol KFMSP	0.12±0.01	0.9±0.0	1.8±0.1
Carlton Menthol KFMSP	0.13±0.01	1.0±0.1	1.8±0.1
Now KFSP	0.13±0.01	1.0±0.1	1.9±0.1
Carlton 100's Menthol 100FMHP	0.13±0.01	1.0±0.1	1.3±0.1
Carlton KFSP	0.14±0.01	1.0±0.1	1.9±0.1
Carlton 100's 100FHP	0.15±0.01	1.2±0.1	1.5±0.1
Carlton 83 KFHP	0.16±0.01	1.2±0.1	2.0±0.1
Kool Ultra KFMSP	0.19±0.01	2.0±0.1	2.0±0.1
Now 100s Menthol 100FMSP	0.21±0.01	1.9±0.1	2.6±0.2
Carlton 100's 100FSP	0.21±0.01	1.9±0.1	2.4±0.1
Carlton 100's Menthol 100FMSP	0.23±0.01	2.0±0.1	2.5±0.1
Now 100s 100FSP	0.24±0.01	2.1±0.1	3.0±0.1
Triumph KFSP	0.32±0.01	3.1±0.1	3.6±0.1
Kent III Ultra Lights KFSP	0.36±0.01	3.5±0.2	4.1±0.2
Triumph Menthol KFMSP	0.36±0.02	3.7±0.2	4.3±0.3
Cambridge Ultra Low Tar 100's 100FSP	0.37±0.01	4.0±0.1	5.8±0.2
True KFSP	0.39±0.01	4.1±0.2	4.9±0.2
Style Ultra Lights 100FHP	0.39±0.01	4.0±0.1	5.1±0.2
True Menthol KFMSP	0.40±0.02	4.2±0.2	5.0±0.3
Kent III Ultra Lights 100s 100FHP	0.42±0.01	4.3±0.1	5.7±0.2
Winston Ultra Lights 100's 100FSP	0.42±0.01	4.4±0.1	6.4±0.2
Triumph 100s 100FSP	0.43±0.02	4.5±0.2	5.9±0.2
Salem Ultra Lights KFMSP	0.44±0.01	4.8±0.1	6.7±0.2
Merit Ultra Lights Menthol KFMSP	0.44±0.01	4.7±0.1	5.6±0.2
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	0.44±0.01	5.2±0.2	6.3±0.2
Salem Ultra Lights 100's 100FMSP	0.44±0.01	4.7±0.1	6.7±0.2
Merit Ultra Lights KFHP	0.44±0.01	4.7±0.1	5.6±0.1
Vantage Ultra Lights KFSP	0.44±0.01	4.9±0.1	6.8±0.2
Vantage Ultra Lights 100s 100FSP	0.44±0.01	4.8±0.1	7.2±0.2
Kent III Ultra Lights 100s 100FSP	0.45±0.01	4.8±0.2	6.3±0.3
Merit Ultra Lights KFSP	0.46±0.01	4.7±0.1	5.2±0.1
Tareyton Lights KFSP	0.46±0.01	5.1±0.2	5.6±0.2
Kool Ultra 100's 100FMSP	0.46±0.02	5.2±0.2	5.0±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	0.47±0.01	5.4±0.2	6.1±0.2
Virginia Slims Ultra Lights 100 Menthol 100FMHP	0.48±0.01	5.4±0.1	5.4±0.2

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Merit Ultra Lights 100's Menthol 100FMSP	0.48±0.01	5.2±0.2	6.9±0.2
Triumph 100s Menthol 100FMSP	0.48±0.02	5.0±0.2	6.5±0.3
Virginia Slims Ultra Lights 100 100FHP	0.48±0.01	5.5±0.1	5.6±0.2
Marlboro Ultra Lights 100's 100FHP	0.49±0.01	5.6±0.1	7.3±0.2
Pyramid Ultra Lights 100's 100FSP	0.49±0.02	5.3±0.2	4.9±0.2
Merit Ultra Lights 100's 100FHP	0.50±0.01	5.3±0.1	6.9±0.1
Marlboro Ultra Lights KFHP	0.50±0.01	5.7±0.2	6.5±0.2
Virginia Slims Superslims 100 Menthol 100FMHP	0.50±0.02	5.9±0.3	6.4±0.4
Eve Ultra Lights Slim 120's 120FHP	0.51±0.01	5.2±0.1	3.7±0.1
Virginia Slims Superslims 100 100FHP	0.51±0.02	5.7±0.3	6.5±0.4
Doral Ultra Lights 100's 100FSP	0.51±0.01	5.2±0.1	7.2±0.2
Eve Ultra Lights Slim 120's Menthol 120FMHP	0.51±0.02	5.3±0.2	3.7±0.1
Doral Ultra Lights KFSP	0.52±0.01	5.2±0.1	6.6±0.1
Montclair Ultra Lights 100's 100FSP	0.52±0.01	5.8±0.2	7.3±0.2
Merit Ultra Lights 100's 100FSP	0.52±0.01	5.5±0.2	6.3±0.2
Carlton 120's 120FSP	0.52±0.01	5.5±0.2	4.4±0.1
Carlton 120's Menthol 120FMSP	0.52±0.02	5.3±0.2	4.2±0.2
Malibu Ultra Lights 100's 100FSP	0.53±0.01	5.8±0.1	7.4±0.2
Camel Ultra Lights KFHP	0.54±0.01	5.6±0.2	7.9±0.2
Kool Deluxe Ultra KFMHP	0.54±0.01	5.3±0.2	6.6±0.1
Class A Deluxe Ultra Lights 100's 100FSP	0.55±0.01	5.9±0.1	5.6±0.1
Eve Ultra Lights Slim 100's 100FHP	0.55±0.01	5.7±0.2	4.4±0.1
L & M 30's Ultra Lights 100's 100FSP	0.55±0.01	5.8±0.1	4.7±0.1
Camel Ultra Lights 100's 100FHP	0.55±0.02	6.0±0.2	8.3±0.3
Eve Ultra Lights Slim 100's Menthol 100FMHP	0.56±0.01	5.8±0.2	4.5±0.1
True 100's 100FSP	0.56±0.02	6.1±0.2	6.7±0.3
True 100's Menthol 100FMSP	0.56±0.02	6.1±0.3	6.8±0.3
Camel Ultra Lights KFSP	0.56±0.02	5.8±0.2	8.0±0.3
Winston Ultra Lights KFSP	0.56±0.01	6.1±0.1	8.0±0.2
Kool Deluxe Ultra 100's 100FMHP	0.58±0.01	5.8±0.1	6.8±0.2
Merit KFSP	0.59±0.01	7.5±0.1	9.1±0.2
Merit KFHP	0.60±0.01	7.8±0.1	9.1±0.2
Merit Menthol KFMSP	0.61±0.02	7.6±0.2	8.9±0.3
Vantage 100s Menthol 100FMSP	0.62±0.02	8.2±0.2	11.1±0.2
Belair 100's 100FMSP	0.63±0.02	8.4±0.2	8.5±0.2
Kent Golden Lights KFHP	0.64±0.01	7.3±0.1	9.5±0.2
Vantage KFSP	0.64±0.01	8.5±0.2	10.4±0.3
Virginia Slims Lights 100FHP	0.66±0.01	8.1±0.2	8.0±0.3
Kent Golden Lights Menthol KFMSP	0.66±0.02	7.9±0.1	10.5±0.2
Virginia Slims Lights Menthol 100FMHP	0.66±0.02	8.3±0.2	7.9±0.1
Kool Lights KFMSP	0.66±0.02	7.8±0.2	8.2±0.1
Tareyton Long Lights 100FSP	0.67±0.01	7.7±0.1	8.5±0.2
Kent Golden Lights KFSP	0.68±0.01	7.9±0.2	10.5±0.3
Lucky Strike Lights KFSP	0.68±0.02	8.1±0.2	9.5±0.3
Parliament Lights KFHP	0.68±0.02	8.8±0.2	9.4±0.2
Camel Lights KFHP	0.68±0.01	9.4±0.1	11.8±0.2

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Vantage 100s 100FSP	0.68±0.01	8.6±0.2	9.9±0.3
Old Gold Lights KFSP	0.68±0.01	7.9±0.2	10.4±0.3
Kool Lights 100's 100FMSP	0.68±0.01	8.1±0.2	8.8±0.2
Newport Lights KFMSP	0.68±0.01	8.2±0.1	10.7±0.2
Newport Lights KFMHP	0.68±0.01	8.2±0.2	10.9±0.3
Vantage Menthol KFMSP	0.69±0.02	9.5±0.2	11.6±0.2
Winston Lights KFHP	0.69±0.01	9.4±0.2	11.7±0.3
Century 25's Lights (25) KFSP	0.69±0.02	8.0±0.2	9.5±0.2
Harley Davidson Lights KFSP	0.69±0.01	8.1±0.2	10.7±0.2
More Lights 100s Menthol 100FMHP	0.70±0.01	8.8±0.1	9.2±0.2
Alpine Lights KFMSP	0.70±0.01	9.1±0.2	9.7±0.2
Capri Menthol 100FMHP	0.70±0.02	9.2±0.2	5.8±0.2
Cartier 100 10's Menthol 100FMHP	0.70±0.01	8.2±0.2	7.2±0.2
Alpine Lights KFMHP	0.71±0.01	9.3±0.1	9.8±0.2
Raleigh Extra Lights KFSP	0.71±0.01	10.6±0.2	12.8±0.4
Raleigh Extra Lights Menthol KFMSP	0.71±0.02	9.7±0.2	11.2±0.2
Salem Lights 100's 100FMSP	0.71±0.01	8.5±0.1	9.8±0.2
Raleigh Extra Lights 100's Menthol 100FMSP	0.71±0.01	8.8±0.2	9.7±0.2
Parliament Lights KFSP	0.72±0.02	9.0±0.2	9.5±0.2
Newport Lights 100's 100FMHP	0.72±0.01	8.1±0.2	9.2±0.3
Misty Slims 100's Lights Menthol 100FMHP	0.72±0.02	8.3±0.2	8.1±0.2
Cartier 100 20's 100FHP	0.72±0.01	8.4±0.2	7.3±0.2
Doral Lights 100's Menthol 100FMSP	0.73±0.02	9.4±0.2	12.5±0.3
Salem Slim Lights 100's 100FMHP	0.73±0.01	8.9±0.1	8.9±0.2
Cartier 100 20's Menthol 100FMHP	0.73±0.01	8.6±0.2	7.4±0.2
Doral Lights Menthol KFMSP	0.73±0.02	9.5±0.2	9.6±0.2
Salem Lights KFMSP	0.74±0.01	10.0±0.2	11.7±0.2
Cartier 100 10's 100FHP	0.74±0.02	8.7±0.2	7.8±0.1
Chesterfield Filter Lights KFSP	0.74±0.01	9.7±0.2	11.1±0.2
Alpine Lights 100's 100FMSP	0.74±0.01	9.4±0.2	10.9±0.2
Kent Golden Lights 100s 100FHP	0.74±0.02	8.6±0.2	9.8±0.3
Malibu Lights KFSP	0.75±0.01	8.7±0.2	8.8±0.3
Bucks Lights KFSP	0.75±0.01	10.1±0.2	11.3±0.2
Winston Lights KFSP	0.75±0.02	10.3±0.2	10.8±0.3
Lucky Strike Lights 100's 100FSP	0.75±0.02	8.9±0.2	10.0±0.2
Merit 100's 100FSP	0.76±0.01	9.6±0.2	10.6±0.2
Sterling Lights Menthol 100FMSP	0.76±0.01	8.8±0.2	9.7±0.2
Capri 100FHP	0.76±0.02	9.5±0.2	6.0±0.2
Marlboro Lights Menthol KFMHP	0.76±0.02	9.7±0.2	9.8±0.3
Players Lights 25's Menthol KFMSP	0.76±0.01	9.8±0.2	10.1±0.2
Misty Slims 100's Lights 100FHP	0.76±0.02	8.8±0.2	8.6±0.2
L & M Long Lights 100FSP	0.76±0.02	7.6±0.2	6.1±0.2
Players Lights 25's KFSP	0.76±0.02	9.9±0.2	10.0±0.2
Marlboro Lights 100's Menthol 100FMHP	0.76±0.02	9.4±0.2	10.5±0.2
Kent Golden Lights 100s Menthol 100FMSP	0.76±0.02	8.8±0.2	10.4±0.4
Marlboro Lights 100's 100FSP	0.77±0.02	10.0±0.2	11.5±0.3

Rev. 3/19/92

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Kent Golden Lights 100s 100FSP	0.77±0.02	8.6±0.2	9.7±0.4
Marlboro Lights KFHP	0.78±0.01	10.5±0.2	11.3±0.3
Newport Lights 100's 100FMSP	0.78±0.02	8.8±0.3	9.6±0.4
Pall Mall Lights 100's 100FSP	0.78±0.02	9.3±0.2	11.1±0.3
Benson & Hedges Lights 100's Menthol 100FMSP	0.78±0.02	10.2±0.2	11.1±0.2
More Lights 100s 100FHP	0.78±0.02	9.4±0.2	9.6±0.2
Merit 100's Menthol 100FMSP	0.78±0.01	9.9±0.2	11.1±0.3
Newport Stripes Slim Lights 100FMHP	0.78±0.01	9.9±0.3	11.3±0.3
Malibu Lights 100's 100FSP	0.79±0.02	9.0±0.2	10.6±0.3
Belair KFMSP	0.79±0.02	10.2±0.2	9.7±0.2
Marlboro Lights KFSP	0.79±0.02	10.7±0.2	11.2±0.3
Benson & Hedges Lights 100's 100FSP	0.79±0.01	10.3±0.2	11.4±0.3
* Winston Lights 100's 100FHP	0.80±0.02	10.6±0.2	12.3±0.2
Benson & Hedges Lights 100's 100FHP	0.80±0.01	10.3±0.1	11.0±0.3
Kool Deluxe Lights KFMHP	0.80±0.02	8.8±0.1	10.0±0.2
Marlboro Lights 25's KFSP	0.80±0.01	10.6±0.2	10.8±0.2
Cambridge Lights 100's 100FSP	0.80±0.01	10.9±0.2	12.5±0.2
Belair Low Price Lights KFMSP	0.80±0.01	8.9±0.1	9.5±0.2
Marlboro Lights 100's 100FHP	0.80±0.01	10.6±0.2	11.6±0.2
Sterling Lights 100FSP	0.81±0.02	10.3±0.2	11.2±0.3
Chelsea 100FHP	0.81±0.01	10.2±0.2	9.7±0.2
Pyramid Lights KFSP	0.81±0.01	10.6±0.2	11.8±0.2
Chesterfield Filter Lights 100's 100FSP	0.81±0.02	10.2±0.2	10.7±0.2
Bristol Lights KFSP	0.81±0.01	10.2±0.2	11.7±0.2
Kent KFHP	0.81±0.01	11.5±0.2	12.5±0.3
Raleigh Extra Lights 100's 100FSP	0.81±0.01	11.9±0.2	14.7±0.4
Benson & Hedges Lights 100's Menthol 100FMHP	0.81±0.01	10.6±0.2	11.0±0.3
Harley Davidson KFSP	0.81±0.01	11.0±0.2	11.9±0.3
Bristol Lights Menthol KFMSP	0.81±0.01	10.1±0.2	11.4±0.2
Ritz 100s 100FHP	0.82±0.02	9.9±0.2	10.3±0.3
Horizon Lights 100FSP	0.82±0.01	10.8±0.1	11.4±0.2
Winston Lights 100's 100FSP	0.82±0.01	10.8±0.2	11.7±0.2
Magna Lites KFHP	0.82±0.03	11.3±0.4	11.8±0.3
Players Menthol KFMHP	0.82±0.02	10.9±0.2	11.0±0.3
Camel Lights 100's 100FSP	0.82±0.01	11.0±0.1	12.1±0.2
Bull Durham Lights KFHP	0.82±0.02	9.9±0.2	10.3±0.3
Cambridge Lights 100's Menthol 100FMSP	0.83±0.01	11.1±0.1	12.8±0.3
Cambridge Lights KFSP	0.83±0.02	11.7±0.2	11.4±0.3
Dunhill Int. Superior Mild 100FHP	0.83±0.02	8.5±0.2	8.7±0.2
Doral Lights KFSP	0.83±0.02	10.3±0.2	10.5±0.2
Camel Lights KFSP	0.83±0.01	11.5±0.1	11.9±0.2
Magna Lites KFSP	0.84±0.02	11.7±0.2	12.5±0.3
Century 25's Lights 100's Menthol 100FMSP	0.84±0.01	11.3±0.1	12.6±0.2
Players KFHP	0.84±0.01	11.3±0.2	11.2±0.3

* Retested brand

Rev. 3/19/92

PM3001014874

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Bristol Lights 100's 100FSP	0.84±0.02	10.1±0.2	12.5±0.3
Players Lights 25's 100's 100FSP	0.85±0.02	11.2±0.2	12.7±0.3
Dunhill Menthol Mild 100FMHP	0.85±0.02	9.6±0.2	10.5±0.2
Viceroy Lights KFHP	0.86±0.01	11.1±0.2	11.6±0.3
Kool Milds KFMSP	0.86±0.02	11.4±0.2	11.5±0.2
Heritage Lights KFSP	0.86±0.01	10.5±0.2	12.5±0.4
Kent KFSP	0.86±0.01	12.0±0.1	13.2±0.3
Cambridge Lights Menthol KFMSP	0.86±0.02	11.9±0.3	11.9±0.3
Newport Stripes 100FMHP	0.86±0.01	11.2±0.2	14.0±0.4
Class A Deluxe Lights 100's 100FSP	0.86±0.01	10.6±0.2	11.6±0.2
Style Lights Menthol 100FMHP	0.86±0.01	11.0±0.2	13.0±0.2
Viceroy Lights KFSP	0.87±0.02	11.1±0.2	11.7±0.3
Players Lights 25's 100's Menthol 100FMSP	0.87±0.01	11.4±0.2	12.6±0.2
Pyramid Lights 100's 100FSP	0.87±0.02	10.8±0.2	11.5±0.2
Kool Milds KFMHP	0.87±0.02	11.6±0.2	11.0±0.3
Ritz 100s Menthol 100FMHP	0.87±0.02	11.3±0.2	10.8±0.2
Raleigh Lights KFSP	0.87±0.01	11.2±0.2	12.1±0.2
Bristol Lights 100's Menthol 100FMSP	0.88±0.02	10.6±0.2	12.8±0.3
B & H Multifilter KFSP	0.88±0.02	11.5±0.3	10.1±0.3
Belair Low Price Lights 100's 100FMSP	0.88±0.02	9.5±0.2	10.4±0.2
Pyramid Lights 100's Menthol 100FMSP	0.88±0.02	11.0±0.2	11.7±0.3
Lark Lights KFSP	0.88±0.02	11.8±0.3	10.4±0.3
Montclair Lights Menthol KFMSP	0.89±0.01	11.3±0.2	11.9±0.2
Horizon Lights Menthol 100FMSP	0.89±0.02	11.4±0.2	11.2±0.1
Capri Super Slim 120's Menthol 120FMHP	0.89±0.02	12.0±0.3	7.4±0.2
Style Lights 100FHP	0.89±0.01	10.9±0.2	13.0±0.3
Kool Deluxe Lights 100's 100FMHP	0.90±0.02	9.7±0.3	9.9±0.3
American Lights KFSP	0.90±0.01	11.2±0.1	11.9±0.2
Viceroy Lights 100's 100FHP	0.90±0.01	12.2±0.1	13.5±0.3
Class A Deluxe Lights KFSP	0.90±0.02	12.1±0.2	11.5±0.2
Satin 100FSP	0.90±0.02	10.9±0.2	12.5±0.4
Kool Milds 100's 100FMSP	0.90±0.02	11.7±0.2	11.9±0.2
Heritage Lights 100s 100FSP	0.91±0.02	11.1±0.2	14.0±0.3
Newport Stripes 100FHP	0.91±0.02	11.2±0.2	14.0±0.4
Richland 20's Lights KFSP	0.91±0.01	11.6±0.2	12.0±0.3
Salem Lights 100's 100FMHP	0.91±0.02	11.6±0.1	11.0±0.2
Silva Thins Filters 100FHP	0.91±0.02	11.1±0.2	10.6±0.3
Parliament Lights 100's 100FSP	0.92±0.02	11.6±0.2	11.4±0.3
Montclair Lights KFSP	0.92±0.02	11.4±0.2	11.9±0.2
L & M Super 100 100FSP	0.92±0.02	11.3±0.2	11.7±0.3
More Lights 120s 120FSP	0.92±0.02	11.7±0.3	17.7±0.6
Richland Lights 25's KFSP	0.92±0.02	11.6±0.2	12.2±0.2
Doral Lights 100's 100FSP	0.92±0.02	10.6±0.2	9.7±0.3
L & M 30's Lights 100's 100FSP	0.92±0.01	11.5±0.2	9.1±0.2
More White Lights 120s 120FSP	0.93±0.02	11.7±0.3	16.0±0.4
Viceroy Lights 100's 100FSP	0.93±0.02	11.9±0.2	13.0±0.3

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Satin Menthol 100FMSP	0.93±0.02	11.1±0.2	12.6±0.3
Dakota Lights KFHP	0.93±0.01	11.4±0.2	11.3±0.3
Kent 100s 100FSP	0.94±0.01	12.7±0.2	12.9±0.3
Raleigh Lights 100's 100FSP	0.94±0.02	12.3±0.3	14.2±0.4
L & M KFHP	0.94±0.01	12.7±0.2	11.9±0.2
Richland Lights 25's 100's 100FSP	0.94±0.01	12.6±0.2	14.1±0.4
American Lights 100's Menthol 100FMSP	0.94±0.02	10.9±0.2	11.1±0.2
Raleigh Extra 100's 100FSP	0.95±0.02	15.6±0.2	18.4±0.3
Raleigh KFSP	0.95±0.01	14.9±0.2	13.7±0.3
L & M KFSP	0.95±0.01	12.7±0.2	11.8±0.2
Century 25's Lights 100's 100FSP	0.95±0.02	11.2±0.2	12.3±0.3
Malibu Menthol 100's 100FMSP	0.95±0.02	11.2±0.2	11.4±0.3
Old Gold Lights 100s 100FSP	0.95±0.02	11.7±0.2	14.2±0.3
Kent 100s Menthol 100FMSP	0.95±0.01	12.7±0.1	12.7±0.3
Montclair Lights 100's Menthol 100FMSP	0.96±0.01	11.8±0.2	12.6±0.3
Lark Light 100's 100FSP	0.96±0.02	12.2±0.2	11.0±0.2
American Lights 100's 100FSP	0.97±0.02	11.6±0.2	12.0±0.3
Richland 20's Lights 100's 100FSP	0.98±0.02	12.7±0.2	14.2±0.3
More White Lights 120s Menthol 120FMSP	0.98±0.03	11.7±0.3	16.3±0.3
More Lights 120s Menthol 120FMSP	0.98±0.03	11.5±0.4	17.1±0.5
Bucks Full Flavor KFSP	0.98±0.02	14.1±0.3	13.0±0.3
Silva Thins Menthol 100FMHP	0.98±0.02	11.9±0.3	10.7±0.3
Virginia Slims Lights 120's Menthol 120FMHP	0.99±0.02	13.3±0.3	12.6±0.3
Alpine KFMSP	0.99±0.02	15.0±0.3	14.8±0.4
Montclair Lights 100's 100FSP	0.99±0.01	12.2±0.1	13.1±0.3
Lucky Strike KFSP	1.00±0.02	13.0±0.2	13.3±0.3
Lark KFSP	1.00±0.02	13.3±0.3	11.7±0.2
Raleigh 100's 100FSP	1.00±0.01	15.2±0.2	15.4±0.2
Eve Lights 120's Menthol 120FMHP	1.00±0.02	12.6±0.2	11.0±0.3
Eve Lights 120's 120FHP	1.00±0.03	12.9±0.4	11.3±0.4
Tareyton KFSP	1.01±0.02	14.1±0.3	15.4±0.4
Lucky Strike KFHP	1.02±0.02	13.1±0.2	13.3±0.2
Pyramid Full Flavor Menthol KFMSP	1.02±0.03	13.4±0.3	12.5±0.3
Tareyton 100's 100FSP	1.02±0.01	13.6±0.2	16.6±0.3
Capri Super Slim 120's 120FHP	1.03±0.02	13.5±0.2	8.9±0.2
Raleigh Extra KFSP	1.03±0.02	17.5±0.3	16.9±0.5
Richland 25's Menthol KFMSP	1.03±0.02	15.9±0.2	15.5±0.4
Players 100's Menthol 100FMHP	1.03±0.02	13.9±0.2	12.5±0.3
Kool KFMHP	1.03±0.02	15.4±0.2	15.4±0.3
Alpine KFMHP	1.03±0.02	15.3±0.2	13.9±0.2
Pyramid Full Flavor KFSP	1.04±0.02	13.9±0.2	12.6±0.3
Century 25's (25) KFSP	1.04±0.03	14.7±0.3	16.8±0.4
Marlboro Menthol KFMSP	1.04±0.02	15.6±0.2	15.4±0.3
Virginia Slims Menthol 100FMSP	1.04±0.01	14.7±0.2	12.4±0.3
Players 100's 100FHP	1.04±0.02	13.9±0.2	12.3±0.3
Virginia Slims 100FSP	1.05±0.02	14.6±0.2	12.6±0.2

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Virginia Slims Lights 120's 120FHP	1.05±0.02	14.0±0.3	13.5±0.4
Alpine 100's 100FMSP	1.06±0.02	14.9±0.2	14.2±0.3
Rothmans Special Mild KFHP	1.06±0.02	12.9±0.2	12.9±0.2
Camel Filters KFSP	1.06±0.02	14.7±0.3	13.0±0.2
Marlboro KFHP	1.06±0.01	15.8±0.2	13.9±0.3
L & M 30's 100's 100FSP	1.07±0.02	14.2±0.3	12.7±0.3
St. Moritz Filter 100FSP	1.07±0.02	14.6±0.2	14.8±0.3
Saratoga 120's Menthol 120FMHP	1.07±0.03	14.2±0.3	13.0±0.4
Lark 100FSP	1.07±0.02	13.7±0.2	13.0±0.3
Class A Deluxe Full Flavor KFSP	1.07±0.02	14.8±0.2	13.7±0.3
Saratoga 120's 120FHP	1.07±0.02	14.4±0.3	13.7±0.3
Richland 20's Menthol KFMSP	1.08±0.02	16.0±0.2	15.2±0.3
Sterling 100FSP	1.08±0.02	15.2±0.2	15.9±0.3
Marlboro KFSP	1.08±0.02	15.6±0.3	13.6±0.3
Camel Filters 100's 100FSP	1.08±0.02	16.6±0.3	16.3±0.3
Kool KFMSP	1.09±0.02	16.4±0.2	15.9±0.3
Hi-Lite 100FHP	1.09±0.02	13.3±0.2	13.1±0.3
Benson & Hedges 100's Menthol 100FMSP	1.10±0.02	15.4±0.2	14.0±0.3
Craven A KFHP	1.10±0.02	13.6±0.2	12.5±0.3
Bull Durham KFHP	1.10±0.03	14.8±0.2	15.5±0.3
Cambridge Full Flavor 100's 100FSP	1.10±0.02	16.9±0.2	16.4±0.4
Lucky Strike Filters 100's 100FSP	1.11±0.01	13.4±0.1	12.6±0.2
Winston 100's 100FSP	1.11±0.02	17.0±0.2	17.3±0.2
Cambridge Full Flavor KFSP	1.11±0.02	16.9±0.3	14.8±0.3
Class A Deluxe Full Flavor 100's 100FSP	1.11±0.02	14.6±0.2	13.7±0.3
Chesterfield RNFSP	1.11±0.02	17.7±0.4	10.9±0.4
Marlboro 25's KFSP	1.12±0.02	16.3±0.3	14.1±0.4
Bristol Full Flavor 100's 100FSP	1.12±0.02	15.3±0.3	17.5±0.4
Viceroy KFHP	1.13±0.02	16.2±0.3	13.5±0.3
St. Moritz Filter Menthol 100FMSP	1.13±0.02	14.9±0.1	15.0±0.2
Pyramid Full Flavor 100's Menthol 100FMSP	1.13±0.02	14.5±0.2	13.7±0.2
Marlboro 100's 100FHP	1.13±0.02	16.0±0.3	15.5±0.3
Benson & Hedges 100's 100FSP	1.14±0.02	16.2±0.2	15.5±0.2
Philip Morris International 100FHP	1.14±0.02	16.2±0.3	15.4±0.4
Benson & Hedges 100's 100FHP	1.14±0.02	15.7±0.3	14.9±0.3
Benson & Hedges 100's Menthol 100FMHP	1.14±0.02	15.6±0.3	14.4±0.3
Bristol Full Flavor KFSP	1.14±0.02	15.9±0.2	15.5±0.3
Richland 20's 100's Menthol 100FMSP	1.15±0.02	16.0±0.2	15.8±0.4
Pyramid Full Flavor 100's 100FSP	1.15±0.03	14.6±0.3	13.6±0.3
Magna KFSP	1.15±0.03	15.4±0.3	15.1±0.3
Pall Mall Gold Lights 100's 100FSP	1.16±0.02	14.6±0.2	13.8±0.2
Belair Low Price KFMSP	1.16±0.02	14.5±0.3	13.3±0.2
Richland 25's KFSP	1.17±0.02	16.6±0.2	14.4±0.4
Marlboro 100's 100FSP	1.17±0.02	16.4±0.2	15.0±0.2
Pall Mall Red Filters KFSP	1.17±0.01	15.2±0.2	13.1±0.3
Magna KFHP	1.17±0.05	16.4±0.6	15.3±0.4

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Pall Mall Red Filters 100's 100FSP	1.17±0.01	15.4±0.2	14.3±0.3
Kool Super Longs 100's 100FMSP	1.17±0.01	16.1±0.2	16.0±0.3
Newport KFMHP	1.17±0.02	16.0±0.2	16.3±0.3
Doral Full Flavor Menthol KFMSP	1.17±0.03	16.0±0.3	14.7±0.3
Belair Low Price 100's 100FMSP	1.18±0.01	13.8±0.2	13.3±0.2
Doral Full Flavor KFSP	1.18±0.02	15.4±0.2	14.0±0.2
Benson & Hedges KFHP	1.18±0.03	14.2±0.4	11.0±0.3
Century 25's 100's 100FSP	1.18±0.03	15.8±0.3	18.8±0.4
Philip Morris International Menthol 100FMHP	1.18±0.02	16.5±0.2	15.4±0.2
Pall Mall 100's 100FSP	1.19±0.02	15.1±0.2	14.1±0.2
Doral Full Flavor 100's 100FSP	1.19±0.02	15.6±0.2	16.3±0.3
Viceroy Super Long 100's 100FHP	1.19±0.02	16.4±0.2	14.1±0.3
Malibu Filters KFSP	1.19±0.02	15.5±0.3	13.7±0.4
Viceroy KFSP	1.19±0.02	16.7±0.2	14.2±0.3
Doral Full Flavor 100's Menthol 100FMSP	1.19±0.02	15.8±0.3	16.6±0.4
Malibu 100's 100FSP	1.20±0.02	15.4±0.2	14.7±0.3
Salem KFMHP	1.20±0.02	16.9±0.3	15.6±0.4
Sterling Menthol 100FMSP	1.21±0.01	16.2±0.2	15.5±0.2
Dakota KFHP	1.21±0.02	16.5±0.3	14.8±0.3
Richland 20's KFSP	1.21±0.02	16.9±0.2	14.5±0.3
Winston KFHP	1.21±0.03	17.3±0.3	15.6±0.4
Montclair Full Flavor KFSP	1.21±0.03	16.0±0.3	14.1±0.4
Salem 100's 100FMSP	1.23±0.02	16.7±0.2	15.8±0.3
More 120s 120FSP	1.23±0.02	16.1±0.3	19.3±0.4
Montclair Full Flavor 100's 100FSP	1.24±0.02	16.4±0.3	16.1±0.3
Camel Filters KFHP	1.24±0.03	17.3±0.3	15.5±0.3
Max 120s 120FSP	1.24±0.02	15.5±0.3	15.9±0.5
Viceroy Super Long 100's 100FSP	1.24±0.02	17.5±0.2	15.4±0.3
Max 120s Menthol 120FMSP	1.25±0.02	15.6±0.2	16.0±0.4
Old Gold Filters KFSP	1.25±0.02	16.9±0.3	16.9±0.4
American Filter King KFSP	1.26±0.03	16.4±0.3	14.5±0.3
American Filter 100's 100FSP	1.27±0.02	16.4±0.3	15.6±0.4
Newport KFMSP	1.27±0.02	17.2±0.2	17.4±0.4
Salem KFMSP	1.27±0.02	17.0±0.3	15.7±0.4
Newport 25's KFMSP	1.27±0.02	17.3±0.2	17.1±0.3
Malibu Menthol KFMSP	1.27±0.02	16.0±0.3	13.9±0.3
Dunhill Menthol 100FMHP	1.28±0.03	14.5±0.3	15.4±0.3
Richland 25's 100's 100FSP	1.30±0.03	17.6±0.3	16.1±0.4
Rothmans KFHP	1.30±0.03	17.2±0.3	16.9±0.4
Kool RNFMSP	1.31±0.04	20.7±0.6	13.5±0.4
Richland 20's 100's 100FSP	1.32±0.03	17.4±0.4	15.7±0.3
Dunhill International 100FHP	1.32±0.03	12.7±0.2	11.5±0.2
Pyramid KNFSP	1.33±0.03	21.4±0.4	13.9±0.4
More 120s Menthol 120FMSP	1.37±0.03	16.5±0.4	19.5±0.4
Old Gold Filter 100's 100FSP	1.38±0.02	18.1±0.3	18.5±0.4
Tall 120's 120FSP	1.38±0.03	17.2±0.3	17.8±0.4

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted "Nicotine" Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Raleigh KNFSP	1.38±0.03	23.4±0.5	15.7±0.4
Chesterfield KNFSP	1.40±0.03	22.2±0.3	14.2±0.3
Newport 25's 100's 100FMSP	1.40±0.02	18.4±0.2	18.9±0.3
Tall 120's Menthol 120FMSP	1.41±0.03	15.6±0.4	14.3±0.3
Commander RNFSP	1.41±0.02	22.0±0.4	12.3±0.2
Newport 100's 100FMHP	1.43±0.02	18.6±0.3	18.6±0.4
Newport 100's 100FMSP	1.45±0.02	18.6±0.3	18.7±0.4
Spring 100's Menthol 100FMSP	1.46±0.03	19.0±0.3	19.5±0.4
Camel RNFSP	1.52±0.03	21.8±0.3	12.8±0.4
Winston KFSP	1.54±0.03	18.2±0.3	14.3±0.4
Lucky Strike RNFSP	1.62±0.04	24.7±0.5	16.0±0.5
Craven A Filter Standard Size RFHP	1.63±0.03	19.5±0.3	13.2±0.3
Herbert Tareyton KNFSP	1.65±0.03	25.4±0.5	17.7±0.3
Bristol KNFSP	1.67±0.03	26.7±0.5	16.0±0.5
Commander KNFSP	1.70±0.02	27.1±0.3	16.2±0.4
Pall Mall KNFSP	1.75±0.03	25.6±0.4	16.5±0.4
Players RNFHP	1.80±0.04	24.7±0.5	14.8±0.3
Old Gold Straights KNFSP	1.83±0.04	26.3±0.4	18.3±0.3
English Ovals KNFHP	1.91±0.04	24.3±0.5	15.1±0.6

PM3001014879

Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Carlton Ultra KFHP	< 0.5	< 0.5	< 0.05
Now KFHP	< 0.5	< 0.5	< 0.05
Now 100s 100FHP	< 0.5	< 0.5	< 0.05
Carlton 100's Menthol 100FMHP	1.3±0.1	1.0±0.1	0.13±0.01
Carlton 100's 100FHP	1.5±0.1	1.2±0.1	0.15±0.01
Carlton Menthol KFMSP	1.8±0.1	1.0±0.1	0.13±0.01
Now Menthol KFMSP	1.8±0.1	0.9±0.0	0.12±0.01
Carlton KFSP	1.9±0.1	1.0±0.1	0.14±0.01
Now KFSP	1.9±0.1	1.0±0.1	0.13±0.01
Kool Ultra KFMSP	2.0±0.1	2.0±0.1	0.19±0.01
Carlton 83 KFHP	2.0±0.1	1.2±0.1	0.16±0.01
Carlton 100's 100FSP	2.4±0.1	1.9±0.1	0.21±0.01
Carlton 100's Menthol 100FMSP	2.5±0.1	2.0±0.1	0.23±0.01
Now 100s Menthol 100FMSP	2.6±0.2	1.9±0.1	0.21±0.01
Now 100s 100FSP	3.0±0.1	2.1±0.1	0.24±0.01
Triumph KFSP	3.6±0.1	3.1±0.1	0.32±0.01
Eve Ultra Lights Slim 120's Menthol 120FMHP	3.7±0.1	5.3±0.2	0.51±0.02
Eve Ultra Lights Slim 120's 120FHP	3.7±0.1	5.2±0.1	0.51±0.01
Kent III Ultra Lights KFSP	4.1±0.2	3.5±0.2	0.36±0.01
Carlton 120's Menthol 120FMSP	4.2±0.2	5.3±0.2	0.52±0.02
Triumph Menthol KFMSP	4.3±0.3	3.7±0.2	0.36±0.02
Carlton 120's 120FSP	4.4±0.1	5.5±0.2	0.52±0.01
Eve Ultra Lights Slim 100's 100FHP	4.4±0.1	5.7±0.2	0.55±0.01
Eve Ultra Lights Slim 100's Menthol 100FMHP	4.5±0.1	5.8±0.2	0.56±0.01
L & M 30's Ultra Lights 100's 100FSP	4.7±0.1	5.8±0.1	0.55±0.01
Pyramid Ultra Lights 100's 100FSP	4.9±0.2	5.3±0.2	0.49±0.02
True KFSP	4.9±0.2	4.1±0.2	0.39±0.01
True Menthol KFMSP	5.0±0.3	4.2±0.2	0.40±0.02
Kool Ultra 100's 100FMSP	5.0±0.2	5.2±0.2	0.46±0.02
Style Ultra Lights 100FHP	5.1±0.2	4.0±0.1	0.39±0.01
Merit Ultra Lights KFSP	5.2±0.1	4.7±0.1	0.46±0.01
Virginia Slims Ultra Lights 100 Menthol 100FMHP	5.4±0.2	5.4±0.1	0.48±0.01
Virginia Slims Ultra Lights 100 100FHP	5.6±0.2	5.5±0.1	0.48±0.01
Merit Ultra Lights KFHP	5.6±0.1	4.7±0.1	0.44±0.01
Tareyton Lights KFSP	5.6±0.2	5.1±0.2	0.46±0.01
Merit Ultra Lights Menthol KFMSP	5.6±0.2	4.7±0.1	0.44±0.01
Class A Deluxe Ultra Lights 100's 100FSP	5.6±0.1	5.9±0.1	0.55±0.01
Kent III Ultra Lights 100s 100FHP	5.7±0.2	4.3±0.1	0.42±0.01
Cambridge Ultra Low Tar 100's 100FSP	5.8±0.2	4.0±0.1	0.37±0.01
Capri Menthol 100FMHP	5.8±0.2	9.2±0.2	0.70±0.02
Triumph 100s 100FSP	5.9±0.2	4.5±0.2	0.43±0.02
Capri 100FHP	6.0±0.2	9.5±0.2	0.76±0.02
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	6.1±0.2	5.4±0.2	0.47±0.01
L & M Long Lights 100FSP	6.1±0.2	7.6±0.2	0.76±0.02
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	6.3±0.2	5.2±0.2	0.44±0.01

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Kent III Ultra Lights 100s 100FSP	6.3±0.3	4.8±0.2	0.45±0.01
Merit Ultra Lights 100's 100FSP	6.3±0.2	5.5±0.2	0.52±0.01
Winston Ultra Lights 100's 100FSP	6.4±0.2	4.4±0.1	0.42±0.01
Virginia Slims Superslims 100 Menthol 100FMHP	6.4±0.4	5.9±0.3	0.50±0.02
Marlboro Ultra Lights KFHP	6.5±0.2	5.7±0.2	0.50±0.01
Triumph 100s Menthol 100FMSP	6.5±0.3	5.0±0.2	0.48±0.02
Virginia Slims Superslims 100 100FHP	6.5±0.4	5.7±0.3	0.51±0.02
Kool Deluxe Ultra KFMHP	6.6±0.1	5.3±0.2	0.54±0.01
Doral Ultra Lights KFSP	6.6±0.1	5.2±0.1	0.52±0.01
True 100's 100FSP	6.7±0.3	6.1±0.2	0.56±0.02
Salem Ultra Lights 100's 100FMSP	6.7±0.2	4.7±0.1	0.44±0.01
Salem Ultra Lights KFMSP	6.7±0.2	4.8±0.1	0.44±0.01
Vantage Ultra Lights KFSP	6.8±0.2	4.9±0.1	0.44±0.01
Kool Deluxe Ultra 100's 100FMHP	6.8±0.2	5.8±0.1	0.58±0.01
True 100's Menthol 100FMSP	6.8±0.3	6.1±0.3	0.56±0.02
Merit Ultra Lights 100's 100FHP	6.9±0.1	5.3±0.1	0.50±0.01
Merit Ultra Lights 100's Menthol 100FMSP	6.9±0.2	5.2±0.2	0.48±0.01
Doral Ultra Lights 100's 100FSP	7.2±0.2	5.2±0.1	0.51±0.01
Vantage Ultra Lights 100s 100FSP	7.2±0.2	4.8±0.1	0.44±0.01
Cartier 100 10's Menthol 100FMHP	7.2±0.2	8.2±0.2	0.70±0.01
Cartier 100 20's 100FHP	7.3±0.2	8.4±0.2	0.72±0.01
Montclair Ultra Lights 100's 100FSP	7.3±0.2	5.8±0.2	0.52±0.01
Marlboro Ultra Lights 100's 100FHP	7.3±0.2	5.6±0.1	0.49±0.01
Cartier 100 20's Menthol 100FMHP	7.4±0.2	8.6±0.2	0.73±0.01
Malibu Ultra Lights 100's 100FSP	7.4±0.2	5.8±0.1	0.53±0.01
Capri Super Slim 120's Menthol 120FMHP	7.4±0.2	12.0±0.3	0.89±0.02
B & H De-Nic 100's Menthol 100FMHP	7.6±0.2	7.7±0.2	0.08±0.00
Cartier 100 10's 100FHP	7.8±0.1	8.7±0.2	0.74±0.02
Virginia Slims Lights Menthol 100FMHP	7.9±0.1	8.3±0.2	0.66±0.02
B & H De-Nic 100's 100FHP	7.9±0.2	8.3±0.1	0.09±0.00
Camel Ultra Lights KFHP	7.9±0.2	5.6±0.2	0.54±0.01
Virginia Slims Lights 100FHP	8.0±0.3	8.1±0.2	0.66±0.01
Camel Ultra Lights KFSP	8.0±0.3	5.8±0.2	0.56±0.02
Winston Ultra Lights KFSP	8.0±0.2	6.1±0.1	0.56±0.01
B & H De-Nic KFHP	8.0±0.3	8.2±0.2	0.08±0.00
Next De-Nic Menthol KFMSP	8.1±0.1	8.5±0.2	0.08±0.00
Misty Slims 100's Lights Menthol 100FMHP	8.1±0.2	8.3±0.2	0.72±0.02
B & H De-Nic Menthol KFMHP	8.2±0.2	8.6±0.1	0.08±0.00
Kool Lights KFMSP	8.2±0.1	7.8±0.2	0.66±0.02
Camel Ultra Lights 100's 100FHP	8.3±0.3	6.0±0.2	0.55±0.02
Belair 100's 100FMSP	8.5±0.2	8.4±0.2	0.63±0.02
Tareyton Long Lights 100FSP	8.5±0.2	7.7±0.1	0.67±0.01
Misty Slims 100's Lights 100FHP	8.6±0.2	8.8±0.2	0.76±0.02
Next De-Nic 100 100FSP	8.6±0.2	9.1±0.1	0.09±0.00
Dunhill Int. Superior Mild 100FHP	8.7±0.2	8.5±0.2	0.83±0.02
Next De-Nic KFSP	8.7±0.2	9.4±0.1	0.09±0.00

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Kool Lights 100's 100FMSP	8.8±0.2	8.1±0.2	0.68±0.01
Malibu Lights KFSP	8.8±0.3	8.7±0.2	0.75±0.01
Salem Slim Lights 100's 100FMHP	8.9±0.2	8.9±0.1	0.73±0.01
Capri Super Slim 120's 120FHP	8.9±0.2	13.5±0.2	1.03±0.02
Merit Menthol KFMSP	8.9±0.3	7.6±0.2	0.61±0.02
Merit KFHP	9.1±0.2	7.8±0.1	0.60±0.01
Merit KFSP	9.1±0.2	7.5±0.1	0.59±0.01
L & M 30's Lights 100's 100FSP	9.1±0.2	11.5±0.2	0.92±0.01
Newport Lights 100's 100FMHP	9.2±0.3	8.1±0.2	0.72±0.01
More Lights 100s Menthol 100FMHP	9.2±0.2	8.8±0.1	0.70±0.01
Parliament Lights KFHP	9.4±0.2	8.8±0.2	0.68±0.02
Kent Golden Lights KFHP	9.5±0.2	7.3±0.1	0.64±0.01
Belair Low Price Lights KFMSP	9.5±0.2	8.9±0.1	0.80±0.01
Century 25's Lights (25) KFSP	9.5±0.2	8.0±0.2	0.69±0.02
Parliament Lights KFSP	9.5±0.2	9.0±0.2	0.72±0.02
Lucky Strike Lights KFSP	9.5±0.3	8.1±0.2	0.68±0.02
More Lights 100s 100FHP	9.6±0.2	9.4±0.2	0.78±0.02
Doral Lights Menthol KFMSP	9.6±0.2	9.5±0.2	0.73±0.02
Newport Lights 100's 100FMSP	9.6±0.4	8.8±0.3	0.78±0.02
Belair KFMSP	9.7±0.2	10.2±0.2	0.79±0.02
Chelsea 100FHP	9.7±0.2	10.2±0.2	0.81±0.01
Kent Golden Lights 100s 100FSP	9.7±0.4	8.6±0.2	0.77±0.02
Alpine Lights KFMSP	9.7±0.2	9.1±0.2	0.70±0.01
Raleigh Extra Lights 100's Menthol 100FMSP	9.7±0.2	8.8±0.2	0.71±0.01
Sterling Lights Menthol 100FMSP	9.7±0.2	8.8±0.2	0.76±0.01
Doral Lights 100's 100FSP	9.7±0.3	10.6±0.2	0.92±0.02
Marlboro Lights Menthol KFMHP	9.8±0.3	9.7±0.2	0.76±0.02
Alpine Lights KFMHP	9.8±0.2	9.3±0.1	0.71±0.01
Kent Golden Lights 100s 100FHP	9.8±0.3	8.6±0.2	0.74±0.02
Salem Lights 100's 100FMSP	9.8±0.2	8.5±0.1	0.71±0.01
Kool Deluxe Lights 100's 100FMHP	9.9±0.3	9.7±0.3	0.90±0.02
Vantage 100s 100FSP	9.9±0.3	8.6±0.2	0.68±0.01
Kool Deluxe Lights KFMHP	10.0±0.2	8.8±0.1	0.80±0.02
Players Lights 25's KFSP	10.0±0.2	9.9±0.2	0.76±0.02
Lucky Strike Lights 100's 100FSP	10.0±0.2	8.9±0.2	0.75±0.02
B & H Multifilter KFSP	10.1±0.3	11.5±0.3	0.88±0.02
Players Lights 25's Menthol KFMSP	10.1±0.2	9.8±0.2	0.76±0.01
Ritz 100s 100FHP	10.3±0.3	9.9±0.2	0.82±0.02
Bull Durham Lights KFHP	10.3±0.3	9.9±0.2	0.82±0.02
Old Gold Lights KFSP	10.4±0.3	7.9±0.2	0.68±0.01
Kent Golden Lights 100s Menthol 100FMSP	10.4±0.4	8.8±0.2	0.76±0.02
Lark Lights KFSP	10.4±0.3	11.8±0.3	0.88±0.02
Belair Low Price Lights 100's 100FMSP	10.4±0.2	9.5±0.2	0.88±0.02
Vantage KFSP	10.4±0.3	8.5±0.2	0.64±0.01
Marlboro Lights 100's Menthol 100FMHP	10.5±0.2	9.4±0.2	0.76±0.02
Dunhill Menthol Mild 100FMHP	10.5±0.2	9.6±0.2	0.85±0.02

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Kent Golden Lights KFSP	10.5±0.3	7.9±0.2	0.68±0.01
Kent Golden Lights Menthol KFMSP	10.5±0.2	7.9±0.1	0.66±0.02
Doral Lights KFSP	10.5±0.2	10.3±0.2	0.83±0.02
Merit 100's 100FSP	10.6±0.2	9.6±0.2	0.76±0.01
Malibu Lights 100's 100FSP	10.6±0.3	9.0±0.2	0.79±0.02
Silva Thins Filters 100FHP	10.6±0.3	11.1±0.2	0.91±0.02
Silva Thins Menthol 100FMHP	10.7±0.3	11.9±0.3	0.98±0.02
Chesterfield Filter Lights 100's 100FSP	10.7±0.2	10.2±0.2	0.81±0.02
Harley Davidson Lights KFSP	10.7±0.2	8.1±0.2	0.69±0.01
Newport Lights KFMSP	10.7±0.2	8.2±0.1	0.68±0.01
Marlboro Lights 25's KFSP	10.8±0.2	10.6±0.2	0.80±0.01
Ritz 100s Menthol 100FMHP	10.8±0.2	11.3±0.2	0.87±0.02
Winston Lights KFSP	10.8±0.3	10.3±0.2	0.75±0.02
Alpine Lights 100's 100FMSP	10.9±0.2	9.4±0.2	0.74±0.01
Newport Lights KFMHP	10.9±0.3	8.2±0.2	0.68±0.01
Chesterfield RNFSP	10.9±0.4	17.7±0.4	1.11±0.02
Lark Light 100's 100FSP	11.0±0.2	12.2±0.2	0.96±0.02
Eve Lights 120's Menthol 120FMHP	11.0±0.3	12.6±0.2	1.00±0.02
Benson & Hedges Lights 100's Menthol 100FMHP	11.0±0.3	10.6±0.2	0.81±0.01
Players Menthol KFMHP	11.0±0.3	10.9±0.2	0.82±0.02
Kool Milds KFMHP	11.0±0.3	11.6±0.2	0.87±0.02
Salem Lights 100's 100FMHP	11.0±0.2	11.6±0.1	0.91±0.02
Benson & Hedges KFHP	11.0±0.3	14.2±0.4	1.18±0.03
Benson & Hedges Lights 100's 100FHP	11.0±0.3	10.3±0.1	0.80±0.01
Vantage 100s Menthol 100FMSP	11.1±0.2	8.2±0.2	0.62±0.02
Pall Mall Lights 100's 100FSP	11.1±0.3	9.3±0.2	0.78±0.02
American Lights 100's Menthol 100FMSP	11.1±0.2	10.9±0.2	0.94±0.02
Chesterfield Filter Lights KFSP	11.1±0.2	9.7±0.2	0.74±0.01
Benson & Hedges Lights 100's Menthol 100FMSP	11.1±0.2	10.2±0.2	0.78±0.02
Merit 100's Menthol 100FMSP	11.1±0.3	9.9±0.2	0.78±0.01
Marlboro Lights KFSP	11.2±0.3	10.7±0.2	0.79±0.02
Raleigh Extra Lights Menthol KFMSP	11.2±0.2	9.7±0.2	0.71±0.02
Sterling Lights 100FSP	11.2±0.3	10.3±0.2	0.81±0.02
Horizon Lights Menthol 100FMSP	11.2±0.1	11.4±0.2	0.89±0.02
Players KFHP	11.2±0.3	11.3±0.2	0.84±0.01
Eve Lights 120's 120FHP	11.3±0.4	12.9±0.4	1.00±0.03
Newport Stripes Slim Lights 100FMHP	11.3±0.3	9.9±0.3	0.78±0.01
Marlboro Lights KFHP	11.3±0.3	10.5±0.2	0.78±0.01
Dakota Lights KFHP	11.3±0.3	11.4±0.2	0.93±0.01
Bucks Lights KFSP	11.3±0.2	10.1±0.2	0.75±0.01
Malibu Menthol 100's 100FMSP	11.4±0.3	11.2±0.2	0.95±0.02
Parliament Lights 100's 100FSP	11.4±0.3	11.6±0.2	0.92±0.02
Benson & Hedges Lights 100's 100FSP	11.4±0.3	10.3±0.2	0.79±0.01
Horizon Lights 100FSP	11.4±0.2	10.8±0.1	0.82±0.01
Bristol Lights Menthol KFMSP	11.4±0.2	10.1±0.2	0.81±0.01
Cambridge Lights KFSP	11.4±0.3	11.7±0.2	0.83±0.02

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Marlboro Lights 100's 100FSP	11.5±0.3	10.0±0.2	0.77±0.02
Dunhill International 100FHP	11.5±0.2	12.7±0.2	1.32±0.03
Kool Milds KFMSP	11.5±0.2	11.4±0.2	0.86±0.02
Class A Deluxe Lights KFSP	11.5±0.2	12.1±0.2	0.90±0.02
Pyramid Lights 100's 100FSP	11.5±0.2	10.8±0.2	0.87±0.02
Class A Deluxe Lights 100's 100FSP	11.6±0.2	10.6±0.2	0.86±0.01
Marlboro Lights 100's 100FHP	11.6±0.2	10.6±0.2	0.80±0.01
Viceroy Lights KFHP	11.6±0.3	11.1±0.2	0.86±0.01
Vantage Menthol KFMSP	11.6±0.2	9.5±0.2	0.69±0.02
Winston Lights KFHP	11.7±0.3	9.4±0.2	0.69±0.01
L & M Super 100 100FSP	11.7±0.3	11.3±0.2	0.92±0.02
Bristol Lights KFSP	11.7±0.2	10.2±0.2	0.81±0.01
Pyramid Lights 100's Menthol 100FMSP	11.7±0.3	11.0±0.2	0.88±0.02
Salem Lights KFMSP	11.7±0.2	10.0±0.2	0.74±0.01
Winston Lights 100's 100FSP	11.7±0.2	10.8±0.2	0.82±0.01
Lark KFSP	11.7±0.2	13.3±0.3	1.00±0.02
Viceroy Lights KFSP	11.7±0.3	11.1±0.2	0.87±0.02
Camel Lights KFHP	11.8±0.2	9.4±0.1	0.68±0.01
L & M KFSP	11.8±0.2	12.7±0.2	0.95±0.01
Magna Lites KFHP	11.8±0.3	11.3±0.4	0.82±0.03
Pyramid Lights KFSP	11.8±0.2	10.6±0.2	0.81±0.01
Camel Lights KFSP	11.9±0.2	11.5±0.1	0.83±0.01
Montclair Lights KFSP	11.9±0.2	11.4±0.2	0.92±0.02
American Lights KFSP	11.9±0.2	11.2±0.1	0.90±0.01
Harley Davidson KFSP	11.9±0.3	11.0±0.2	0.81±0.01
Kool Milds 100's 100FMSP	11.9±0.2	11.7±0.2	0.90±0.02
Montclair Lights Menthol KFMSP	11.9±0.2	11.3±0.2	0.89±0.01
Cambridge Lights Menthol KFMSP	11.9±0.3	11.9±0.3	0.86±0.02
L & M KFHP	11.9±0.2	12.7±0.2	0.94±0.01
American Lights 100's 100FSP	12.0±0.3	11.6±0.2	0.97±0.02
Richland 20's Lights KFSP	12.0±0.3	11.6±0.2	0.91±0.01
Camel Lights 100's 100FSP	12.1±0.2	11.0±0.1	0.82±0.01
Raleigh Lights KFSP	12.1±0.2	11.2±0.2	0.87±0.01
Richland Lights 25's KFSP	12.2±0.2	11.6±0.2	0.92±0.02
Players 100's 100FHP	12.3±0.3	13.9±0.2	1.04±0.02
Century 25's Lights 100's 100FSP	12.3±0.3	11.2±0.2	0.95±0.02
Commander RNFSP	12.3±0.2	22.0±0.4	1.41±0.02
* Winston Lights 100's 100FHP	12.2±0.2	10.6±0.2	0.80±0.02
Virginia Slims Menthol 100FMSP	12.4±0.3	14.7±0.2	1.04±0.01
Players 100's Menthol 100FMHP	12.5±0.3	13.9±0.2	1.03±0.02
Heritage Lights KFSP	12.5±0.4	10.5±0.2	0.86±0.01
Kent KFHP	12.5±0.3	11.5±0.2	0.81±0.01
Cambridge Lights 100's 100FSP	12.5±0.2	10.9±0.2	0.80±0.01
Craven A KFHP	12.5±0.3	13.6±0.2	1.10±0.02

* Retested brand

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Magna Lites KFSP	12.5±0.3	11.7±0.2	0.84±0.02
Satin 100FSP	12.5±0.4	10.9±0.2	0.90±0.02
Bristol Lights 100's 100FSP	12.5±0.3	10.1±0.2	0.84±0.02
Doral Lights 100's Menthol 100FMSP	12.5±0.3	9.4±0.2	0.73±0.02
Pyramid Full Flavor Menthol KFMSP	12.5±0.3	13.4±0.3	1.02±0.03
Players Lights 25's 100's Menthol 100FMSP	12.6±0.2	11.4±0.2	0.87±0.01
Satin Menthol 100FMSP	12.6±0.3	11.1±0.2	0.93±0.02
Lucky Strike Filters 100's 100FSP	12.6±0.2	13.4±0.1	1.11±0.01
Montclair Lights 100's Menthol 100FMSP	12.6±0.3	11.8±0.2	0.96±0.01
Virginia Slims Lights 120's Menthol 120FMHP	12.6±0.3	13.3±0.3	0.99±0.02
Virginia Slims 100FSP	12.6±0.2	14.6±0.2	1.05±0.02
Pyramid Full Flavor KFSP	12.6±0.3	13.9±0.2	1.04±0.02
Century 25's Lights 100's Menthol 100FMSP	12.6±0.2	11.3±0.1	0.84±0.01
Kent 100s Menthol 100FMSP	12.7±0.3	12.7±0.1	0.95±0.01
L & M 30's 100's 100FSP	12.7±0.3	14.2±0.3	1.07±0.02
Players Lights 25's 100's 100FSP	12.7±0.3	11.2±0.2	0.85±0.02
Raleigh Extra Lights KFSP	12.8±0.4	10.6±0.2	0.71±0.01
Bristol Lights 100's Menthol 100FMSP	12.8±0.3	10.6±0.2	0.88±0.02
Cambridge Lights 100's Menthol 100FMSP	12.8±0.3	11.1±0.1	0.83±0.01
Camel RNFSP	12.8±0.4	21.8±0.3	1.52±0.03
Kent 100s 100FSP	12.9±0.3	12.7±0.2	0.94±0.01
Rothmans Special Mild KFHP	12.9±0.2	12.9±0.2	1.06±0.02
Viceroy Lights 100's 100FSP	13.0±0.3	11.9±0.2	0.93±0.02
Camel Filters KFSP	13.0±0.2	14.7±0.3	1.06±0.02
Bucks Full Flavor KFSP	13.0±0.3	14.1±0.3	0.98±0.02
Lark 100FSP	13.0±0.3	13.7±0.2	1.07±0.02
Style Lights Menthol 100FMHP	13.0±0.2	11.0±0.2	0.86±0.01
Style Lights 100FHP	13.0±0.3	10.9±0.2	0.89±0.01
Saratoga 120's Menthol 120FMHP	13.0±0.4	14.2±0.3	1.07±0.03
Montclair Lights 100's 100FSP	13.1±0.3	12.2±0.1	0.99±0.01
Hi-Lite 100FHP	13.1±0.3	13.3±0.2	1.09±0.02
Pall Mall Red Filters KFSP	13.1±0.3	15.2±0.2	1.17±0.01
Kent KFSP	13.2±0.3	12.0±0.1	0.86±0.01
Craven A Filter Standard Size RFHP	13.2±0.3	19.5±0.3	1.63±0.03
Lucky Strike KFHP	13.3±0.2	13.1±0.2	1.02±0.02
Lucky Strike KFSP	13.3±0.3	13.0±0.2	1.00±0.02
Belair Low Price 100's 100FMSP	13.3±0.2	13.8±0.2	1.18±0.01
Belair Low Price KFMSP	13.3±0.2	14.5±0.3	1.16±0.02
Virginia Slims Lights 120's 120FHP	13.5±0.4	14.0±0.3	1.05±0.02
Kool RNFMSP	13.5±0.4	20.7±0.6	1.31±0.04
Viceroy KFHP	13.5±0.3	16.2±0.3	1.13±0.02
Viceroy Lights 100's 100FHP	13.5±0.3	12.2±0.1	0.90±0.01
Pyramid Full Flavor 100's 100FSP	13.6±0.3	14.6±0.3	1.15±0.03
Marlboro KFSP	13.6±0.3	15.6±0.3	1.08±0.02
Class A Deluxe Full Flavor KFSP	13.7±0.3	14.8±0.2	1.07±0.02
Saratoga 120's 120FHP	13.7±0.3	14.4±0.3	1.07±0.02

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Class A Deluxe Full Flavor 100's 100FSP	13.7±0.3	14.6±0.2	1.11±0.02
Malibu Filters KFSP	13.7±0.4	15.5±0.3	1.19±0.02
Raleigh KFSP	13.7±0.3	14.9±0.2	0.95±0.01
Pyramid Full Flavor 100's Menthol 100FMSP	13.7±0.2	14.5±0.2	1.13±0.02
Pall Mall Gold Lights 100's 100FSP	13.8±0.2	14.6±0.2	1.16±0.02
Marlboro KFHP	13.9±0.3	15.8±0.2	1.06±0.01
Malibu Menthol KFMSP	13.9±0.3	16.0±0.3	1.27±0.02
Alpine KFMHP	13.9±0.2	15.3±0.2	1.03±0.02
Pyramid KNFSP	13.9±0.4	21.4±0.4	1.33±0.03
Benson & Hedges 100's Menthol 100FMSP	14.0±0.3	15.4±0.2	1.10±0.02
Heritage Lights 100s 100FSP	14.0±0.3	11.1±0.2	0.91±0.02
Newport Stripes 100FHP	14.0±0.4	11.2±0.2	0.91±0.02
Newport Stripes 100FMHP	14.0±0.4	11.2±0.2	0.86±0.01
Doral Full Flavor KFSP	14.0±0.2	15.4±0.2	1.18±0.02
Viceroy Super Long 100's 100FHP	14.1±0.3	16.4±0.2	1.19±0.02
Marlboro 25's KFSP	14.1±0.4	16.3±0.3	1.12±0.02
Pall Mall 100's 100FSP	14.1±0.2	15.1±0.2	1.19±0.02
Montclair Full Flavor KFSP	14.1±0.4	16.0±0.3	1.21±0.03
Richland Lights 25's 100's 100FSP	14.1±0.4	12.6±0.2	0.94±0.01
Viceroy KFSP	14.2±0.3	16.7±0.2	1.19±0.02
Old Gold Lights 100s 100FSP	14.2±0.3	11.7±0.2	0.95±0.02
Chesterfield KNFSP	14.2±0.3	22.2±0.3	1.40±0.03
Alpine 100's 100FMSP	14.2±0.3	14.9±0.2	1.06±0.02
Raleigh Lights 100's 100FSP	14.2±0.4	12.3±0.3	0.94±0.02
Richland 20's Lights 100's 100FSP	14.2±0.3	12.7±0.2	0.98±0.02
Winston KFSP	14.3±0.4	18.2±0.3	1.54±0.03
Pall Mall Red Filters 100's 100FSP	14.3±0.3	15.4±0.2	1.17±0.01
Tall 120's Menthol 120FMSP	14.3±0.3	15.6±0.4	1.41±0.03
Benson & Hedges 100's Menthol 100FMHP	14.4±0.3	15.6±0.3	1.14±0.02
Richland 25's KFSP	14.4±0.4	16.6±0.2	1.17±0.02
Richland 20's KFSP	14.5±0.3	16.9±0.2	1.21±0.02
American Filter King KFSP	14.5±0.3	16.4±0.3	1.26±0.03
Doral Full Flavor Menthol KFMSP	14.7±0.3	16.0±0.3	1.17±0.03
Raleigh Extra Lights 100's 100FSP	14.7±0.4	11.9±0.2	0.81±0.01
Malibu 100's 100FSP	14.7±0.3	15.4±0.2	1.20±0.02
Players RNFHP	14.8±0.3	24.7±0.5	1.80±0.04
St. Moritz Filter 100FSP	14.8±0.3	14.6±0.2	1.07±0.02
Dakota KFHP	14.8±0.3	16.5±0.3	1.21±0.02
Alpine KFMSP	14.8±0.4	15.0±0.3	0.99±0.02
Cambridge Full Flavor KFSP	14.8±0.3	16.9±0.3	1.11±0.02
Benson & Hedges 100's 100FHP	14.9±0.3	15.7±0.3	1.14±0.02
St. Moritz Filter Menthol 100FMSP	15.0±0.2	14.9±0.1	1.13±0.02
Marlboro 100's 100FSP	15.0±0.2	16.4±0.2	1.17±0.02
English Ovals KNFHP	15.1±0.6	24.3±0.5	1.91±0.04
Magna KFSP	15.1±0.3	15.4±0.3	1.15±0.03
Richland 20's Menthol KFMSP	15.2±0.3	16.0±0.2	1.08±0.02

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Magna KFHP	15.3±0.4	16.4±0.6	1.17±0.05
Kool KFMHP	15.4±0.3	15.4±0.2	1.03±0.02
Tareyton KFSP	15.4±0.4	14.1±0.3	1.01±0.02
Philip Morris International Menthol 100FMHP	15.4±0.2	16.5±0.2	1.18±0.02
Marlboro Menthol KFMSP	15.4±0.3	15.6±0.2	1.04±0.02
Raleigh 100's 100FSP	15.4±0.2	15.2±0.2	1.00±0.01
Philip Morris International 100FHP	15.4±0.4	16.2±0.3	1.14±0.02
Viceroy Super Long 100's 100FSP	15.4±0.3	17.5±0.2	1.24±0.02
Dunhill Menthol 100FMHP	15.4±0.3	14.5±0.3	1.28±0.03
Marlboro 100's 100FHP	15.5±0.3	16.0±0.3	1.13±0.02
Benson & Hedges 100's 100FSP	15.5±0.2	16.2±0.2	1.14±0.02
Bull Durham KFHP	15.5±0.3	14.8±0.2	1.10±0.03
Richland 25's Menthol KFMSP	15.5±0.4	15.9±0.2	1.03±0.02
Camel Filters KFHP	15.5±0.3	17.3±0.3	1.24±0.03
Sterling Menthol 100FMSP	15.5±0.2	16.2±0.2	1.21±0.01
Bristol Full Flavor KFSP	15.5±0.3	15.9±0.2	1.14±0.02
American Filter 100's 100FSP	15.6±0.4	16.4±0.3	1.27±0.02
Winston KFHP	15.6±0.4	17.3±0.3	1.21±0.03
Salem KFMHP	15.6±0.4	16.9±0.3	1.20±0.02
Richland 20's 100's 100FSP	15.7±0.3	17.4±0.4	1.32±0.03
Salem KFMSP	15.7±0.4	17.0±0.3	1.27±0.02
Raleigh KNFSP	15.7±0.4	23.4±0.5	1.38±0.03
Salem 100's 100FMSP	15.8±0.3	16.7±0.2	1.23±0.02
Richland 20's 100's Menthol 100FMSP	15.8±0.4	16.0±0.2	1.15±0.02
Sterling 100FSP	15.9±0.3	15.2±0.2	1.08±0.02
Max 120s 120FSP	15.9±0.5	15.5±0.3	1.24±0.02
Kool KFMSP	15.9±0.3	16.4±0.2	1.09±0.02
More White Lights 120s 120FSP	16.0±0.4	11.7±0.3	0.93±0.02
Kool Super Longs 100's 100FMSP	16.0±0.3	16.1±0.2	1.17±0.01
Bristol KNFSP	16.0±0.5	26.7±0.5	1.67±0.03
Lucky Strike RNFSP	16.0±0.5	24.7±0.5	1.62±0.04
Max 120s Menthol 120FMSP	16.0±0.4	15.6±0.2	1.25±0.02
Richland 25's 100's 100FSP	16.1±0.4	17.6±0.3	1.30±0.03
Montclair Full Flavor 100's 100FSP	16.1±0.3	16.4±0.3	1.24±0.02
Commander KNFSP	16.2±0.4	27.1±0.3	1.70±0.02
Newport KFMHP	16.3±0.3	16.0±0.2	1.17±0.02
More White Lights 120s Menthol 120FMSP	16.3±0.3	11.7±0.3	0.98±0.03
Camel Filters 100's 100FSP	16.3±0.3	16.6±0.3	1.08±0.02
Doral Full Flavor 100's 100FSP	16.3±0.3	15.6±0.2	1.19±0.02
Cambridge Full Flavor 100's 100FSP	16.4±0.4	16.9±0.2	1.10±0.02
Pall Mall KNFSP	16.5±0.4	25.6±0.4	1.75±0.03
Doral Full Flavor 100's Menthol 100FMSP	16.6±0.4	15.8±0.3	1.19±0.02
Tareyton 100's 100FSP	16.6±0.3	13.6±0.2	1.02±0.01
Century 25's (25) KFSP	16.8±0.4	14.7±0.3	1.04±0.03
Rothmans KFHP	16.9±0.4	17.2±0.3	1.30±0.03
Old Gold Filters KFSP	16.9±0.4	16.9±0.3	1.25±0.02

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Tobacco Institute Testing Laboratory
Market Sample 34
Sorted Carbon Monoxide Results

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Raleigh Extra KFSP	16.9±0.5	17.5±0.3	1.03±0.02
More Lights 120s Menthol 120FMSP	17.1±0.5	11.5±0.4	0.98±0.03
Newport 25's KFMSP	17.1±0.3	17.3±0.2	1.27±0.02
Winston 100's 100FSP	17.3±0.2	17.0±0.2	1.11±0.02
Newport KFMSP	17.4±0.4	17.2±0.2	1.27±0.02
Bristol Full Flavor 100's 100FSP	17.5±0.4	15.3±0.3	1.12±0.02
Herbert Tareyton KNFSP	17.7±0.3	25.4±0.5	1.65±0.03
More Lights 120s 120FSP	17.7±0.6	11.7±0.3	0.92±0.02
Tall 120's 120FSP	17.8±0.4	17.2±0.3	1.38±0.03
Old Gold Straights KNFSP	18.3±0.3	26.3±0.4	1.83±0.04
Raleigh Extra 100's 100FSP	18.4±0.3	15.6±0.2	0.95±0.02
Old Gold Filter 100's 100FSP	18.5±0.4	18.1±0.3	1.38±0.02
Newport 100's 100FMHP	18.6±0.4	18.6±0.3	1.43±0.02
Newport 100's 100FMSP	18.7±0.4	18.6±0.3	1.45±0.02
Century 25's 100's 100FSP	18.8±0.4	15.8±0.3	1.18±0.03
Newport 25's 100's 100FMSP	18.9±0.3	18.4±0.2	1.40±0.02
More 120s 120FSP	19.3±0.4	16.1±0.3	1.23±0.02
More 120s Menthol 120FMSP	19.5±0.4	16.5±0.4	1.37±0.03
Spring 100's Menthol 100FMSP	19.5±0.4	19.0±0.3	1.46±0.03

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Appendix C -- Butt Lengths

PM3001014889

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Tobacco Institute Testing Laboratory
Market Sample 34

Butt Lengths

Brand	Length - mm
Alpine KFMHP	27,28,29
Alpine KFMSP	27,28,29
Alpine 100's 100FMSP	34,35,36
Alpine Lights KFMHP	33,34,35
Alpine Lights KFMSP	33,34,35
Alpine Lights 100's 100FMSP	38,39,40
American Filter King KFSP	26,27,28
American Filter 100's 100FSP	34,35,36
American Lights KFSP	32,33,34
American Lights 100's 100FSP	34,35,36
American Lights 100's Menthol 100FMSP	34,35,36
Belair KFMSP	33,34,35,36
Belair 100's 100FMSP	38,39,40
Belair Low Price KFMSP	28,29,30
Belair Low Price 100's 100FMSP	35,36,37
Belair Low Price Lights KFMSP	35,36
Belair Low Price Lights 100's 100FMSP	38,39,40,41
Benson & Hedges KFHP	33,34
Benson & Hedges 100's 100FHP	34,35,36
Benson & Hedges 100's Menthol 100FMHP	34,35,36
Benson & Hedges 100's 100FSP	35,36
Benson & Hedges 100's Menthol 100FMSP	34,35,36
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	38,39,40
Benson & Hedges Deluxe Ultra Lights 100's Menthol 100FMHP	38,39,40
Benson & Hedges Lights 100's 100FHP	38,39,40,41
Benson & Hedges Lights 100's Menthol 100FMHP	38,39,40
Benson & Hedges Lights 100's 100FSP	38,39,40
Benson & Hedges Lights 100's Menthol 100FMSP	38,39,40
B & H Multifilter KFSP	32.5,33,33.5
B & H De-Nic KFHP	33,34,35,35.5,36,37
B & H De-Nic Menthol KFMHP	34,35,35.5,36
B & H De-Nic 100's 100FHP	38,39,40
B & H De-Nic 100's Menthol 100FMHP	38,39,40
Bristol KNFSP	23
Bristol Full Flavor KFSP	28,29
Bristol Full Flavor 100's 100FSP	39,40
Bristol Lights KFSP	34,35,36
Bristol Lights Menthol KFMSP	34,35,36
Bristol Lights 100's 100FSP	38,39,40,41
Bristol Lights 100's Menthol 100FMSP	38.5,39,40
Bucks Full Flavor KFSP	28,29
Bucks Lights KFSP	33,34,35
Bull Durham KFHP	32,33,34
Bull Durham Lights KFHP	32,33,34
Cambridge Full Flavor KFSP	28

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Source: https://www.industrydocuments.ucsf.edu/docs/jqkk0001

Tobacco Institute Testing Laboratory
Market Sample 34

Butt Lengths

Brand	Length - mm
Cambridge Full Flavor 100's 100FSP	36,38,39,40,42
Cambridge Lights KFSP	32,33,34,35
Cambridge Lights Menthol KFMSP	33,34,34.5,35
Cambridge Lights 100's 100FSP	38,39,40
Cambridge Lights 100's Menthol 100FMSP	38,39,40
Cambridge Ultra Low Tar 100's 100FSP	38,39,40
Camel RNFSP	23
Camel Filters KFHP	26,27,28,29
Camel Filters KFSP	28,29
Camel Filters 100's 100FSP	33,34,35,36,37
Camel Lights KFHP	33,34,35
Camel Lights KFSP	33,34,35
Camel Lights 100's 100FSP	37,38,39
Camel Ultra Lights KFHP	33,34,35
Camel Ultra Lights KFSP	33,34,34.5
Camel Ultra Lights 100's 100FHP	37,38,39
Capri 100FHP	34,34.5,35
Capri Menthol 100FMHP	34,34.5,35
Capri Super Slim 120's 120FHP	38,39,40
Capri Super Slim 120's Menthol 120FMHP	38,39,40
Carlton Ultra KFHP	39,40
Carlton KFSP	32,33,34,35
Carlton Menthol KFMSP	32,33,34
Carlton 83 KFHP	32,33
Carlton 100's 100FHP	37,38,38.5,39
Carlton 100's Menthol 100FMHP	37,38,39
Carlton 100's 100FSP	37,38,39
Carlton 100's Menthol 100FMSP	37,37.5,38,38.5,39
Carlton 120's 120FSP	38,39
Carlton 120's Menthol 120FMSP	38,39
Cartier 100 10's 100FHP	32,33
Cartier 100 10's Menthol 100FMHP	32,33
Cartier 100 20's 100FHP	31,32,33
Cartier 100 20's Menthol 100FMHP	31,32,33
Century 25's (25) KFSP	29.5,30,31
Century 25's 100's 100FSP	38,39
Century 25's Lights (25) KFSP	29,30,31
Century 25's Lights 100's 100FSP	37,38,39
Century 25's Lights 100's Menthol 100FMSP	36,37,38
Chelsea 100FHP	37,37.5,38
Chesterfield RNFSP	23
Chesterfield KNFSP	23
Chesterfield Filter Lights KFSP	31,32,33,34,35
Chesterfield Filter Lights 100's 100FSP	38,39
Class A Deluxe Full Flavor KFSP	32,33,34
Class A Deluxe Full Flavor 100's 100FSP	37,38,38.5

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Tobacco Institute Testing Laboratory
Market Sample 34

Butt Lengths

Brand	Length - mm
Class A Deluxe Lights KFSP	32,33,34
Class A Deluxe Lights 100's 100FSP	38
Class A Deluxe Ultra Lights 100's 100FSP	38
Commander RNFSP	23
Commander KNFSP	23
Dakota KFHP	25,26
Dakota Lights KFHP	29,30,31
Doral Full Flavor KFSP	27,27.5,28,29
Doral Full Flavor Menthol KFMSP	27,27.5,28
Doral Full Flavor 100's 100FSP	36.5,37,38,39
Doral Full Flavor 100's Menthol 100FMSP	37,37.5,38
Doral Lights KFSP	32,33,34,35
Doral Lights Menthol KFMSP	33,33.5,34,35
Doral Lights 100's 100FSP	37,38
Doral Lights 100's Menthol 100FMSP	37,38,39
Doral Ultra Lights KFSP	33.5,34
Doral Ultra Lights 100's 100FSP	37,38
English Ovals KNFHP	23
Eve Ultra Lights Slim 100's 100FHP	37,38,39
Eve Ultra Lights Slim 100's Menthol 100FMHP	38,38.5,39
Eve Lights 120's 120FHP	37.5,38,38.5
Eve Lights 120's Menthol 120FMHP	38,38.5,39
Eve Ultra Lights Slim 120's 120FHP	37,37.5,38,39
Eve Ultra Lights Slim 120's Menthol 120FMHP	37.5,38,39
Harley Davidson KFSP	28,28.5,29
Harley Davidson Lights KFSP	35,36
Herbert Tareyton KNFSP	23
Heritage Lights KFSP	33,34,35,36
Heritage Lights 100s 100FSP	36,37,38
Hi-Lite 100FHP	35
Horizon Lights 100FSP	38,39
Horizon Lights Menthol 100FMSP	36,37
Kent Golden Lights KFHP	32,33,34
Kent Golden Lights KFSP	34,35,36
Kent Golden Lights Menthol KFMSP	34,34.5,35
Kent Golden Lights 100s 100FHP	35,36,37
Kent Golden Lights 100s 100FSP	35,36,37,38,39
Kent Golden Lights 100s Menthol 100FMSP	36,37
Kent KFHP	28,29
Kent KFSP	28,28.5,29
Kent 100s 100FSP	36,36.5,37
Kent 100s Menthol 100FMSP	36,37,38
Kent III Ultra Lights KFSP	34,35,36
Kent III Ultra Lights 100s 100FHP	35,36,37
Kent III Ultra Lights 100s 100FSP	35,36,37
Kool RNFMSP	23

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Tobacco Institute Testing Laboratory
Market Sample 34

Butt Lengths

Brand	Length - mm
Kool KFMHP	26,27,29,30
Kool KFMSP	29,30
Kool Super Longs 100's 100FMSP	35,36
Kool Lights KFMSP	34.5,35,35.5
Kool Lights 100's 100FMSP	38,38.5,39
Kool Deluxe Lights KFMHP	34.5,35,35.5
Kool Deluxe Lights 100's 100FMHP	39,40
Kool Deluxe Ultra KFMHP	34,34.5,35
Kool Deluxe Ultra 100's 100FMHP	39
Kool Milds KFMHP	28,28.5,29,29.5
Kool Milds KFMSP	34,35
Kool Milds 100's 100FMSP	38,39,40
Kool Ultra KFMSP	34,34.5,35,35.5
Kool Ultra 100's 100FMSP	37.5,38,39
L & M KFHP	33,34
L & M KFSP	33,34
L & M Super 100 100FSP	37,38,39
L & M Long Lights 100FSP	35,36,37,38,39,40,41
L & M 30's 100's 100FSP	37,38,39
L & M 30's Lights 100's 100FSP	37,38,39
L & M 30's Ultra Lights 100's 100FSP	37,38,39
Lark KFSP	33,34
Lark 100FSP	35,36
Lark Lights KFSP	32,32.5,33,33.5
Lark Light 100's 100FSP	37,38,39
Lucky Strike RNFSP	23
Lucky Strike KFHP	32,33,33.5
Lucky Strike KFSP	31,32,32.5,33,33.5
Lucky Strike Filters 100's 100FSP	34,35
Lucky Strike Lights KFSP	32.5,33,33.5
Lucky Strike Lights 100's 100FSP	34,35,36
Magna KFHP	26,27,27.5,28,29
Magna KFSP	27,28,29
Magna Lites KFHP	29,30,31,33,34,35
Magna Lites KFSP	33,34,35,36
Malibu Filters KFSP	26,27,28
Malibu Menthol KFMSP	26,27,28
Malibu 100's 100FSP	34,35,36
Malibu Menthol 100's 100FMSP	34,35,35.5,36
Malibu Lights KFSP	32,32.5,33,33.5,34
Malibu Lights 100's 100FSP	34,35,35.5,36,37
Malibu Ultra Lights 100's 100FSP	37,38,39
Marlboro KFHP	26,27
Marlboro KFSP	28,29
Marlboro Menthol KFMSP	28,29
Marlboro 100's 100FHP	35

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Butt Lengths

Brand	Length - mm
Marlboro 100's 100FSP	34,34.5,35
Marlboro 25's KFSP	28,29
Marlboro Lights KFHP	33,33.5,34,35
Marlboro Lights Menthol KFMHP	33.5,34,34.5,35
Marlboro Lights KFSP	33,33.5,34,34.5
Marlboro Lights 100's 100FHP	38,38.5,39,39.5
Marlboro Lights 100's Menthol 100FMHP	38,38.5,39,39.5,40
Marlboro Lights 100's 100FSP	38,39,40
Marlboro Lights 25's KFSP	33,33.5,34,34.5,35
Marlboro Ultra Lights KFHP	34.5,35
Marlboro Ultra Lights 100's 100FHP	38,39,40
Max 120s 120FSP	37,38,39
Max 120s Menthol 120FMSP	37,38,39
Merit KFHP	35
Merit KFSP	35,35.5,36
Merit Menthol KFMSP	35,36
Merit 100's 100FSP	39,40
Merit 100's Menthol 100FMSP	39,40
Merit Ultra Lights KFHP	34,35
Merit Ultra Lights KFSP	34,34.5,35,35.5,36
Merit Ultra Lights Menthol KFMSP	34,35
Merit Ultra Lights 100's 100FHP	38,39,40
Merit Ultra Lights 100's 100FSP	38,39
Merit Ultra Lights 100's Menthol 100FMSP	38,39,40
Misty Slims 100's Lights 100FHP	38,39,40
Misty Slims 100's Lights Menthol 100FMHP	38,39,39.5
Montclair Full Flavor KFSP	27,28
Montclair Full Flavor 100's 100FSP	38,39
Montclair Lights KFSP	32,33,34
Montclair Lights Menthol KFMSP	32,33,34
Montclair Lights 100's 100FSP	37,38,39
Montclair Lights 100's Menthol 100FMSP	38,39
Montclair Ultra Lights 100's 100FSP	34,37,38,39,42
More 120s 120FSP	41,42,43
More 120s Menthol 120FMSP	41,42,43
More Lights 100s 100FHP	36,37,38,39
More Lights 100s Menthol 100FMHP	37,38,39
More Lights 120s 120FSP	41,42,43
More Lights 120s Menthol 120FMSP	42
More White Lights 120s 120FSP	41,42,42.5,43
More White Lights 120s Menthol 120FMSP	42,42.5,43
Newport KFMHP	28,29,30
Newport KFMSP	28,29,30
Newport 100's 100FMHP	36,37
Newport 100's 100FMSP	36,37
Newport 25's KFMSP	28,29,30

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Butt Lengths

Brand	Length - mm
Newport 25's 100's 100FMSP	36,37
Newport Lights KFMHP	32,32.5,33,33.5,34
Newport Lights KFMSP	34,35
Newport Lights 100's 100FMHP	35,36,37,38
Newport Lights 100's 100FMSP	35,35.5,36,36.5,37
Newport Stripes 100FHP	35.5,36,36.5,37
Newport Stripes 100FMHP	36,36.5,37
Newport Stripes Slim Lights 100FMHP	37,37.5,38
Next De-Nic KFSP	35
Next De-Nic Menthol KFMSP	35
Next De-Nic 100 100FSP	38,39,40
Now KFHP	34,34.5,35
Now KFSP	33,34,34.5,35
Now Menthol KFMSP	33,34,34.5
Now 100s 100FHP	38,39
Now 100s 100FSP	37,38,38.5,39
Now 100s Menthol 100FMSP	38,39
Old Gold Straights KNFSP	23
Old Gold Filters KFSP	28,29
Old Gold Filter 100's 100FSP	36,37
Old Gold Lights KFSP	35,36
Old Gold Lights 100s 100FSP	35,36,37,38
Pall Mall KNFSP	23
Pall Mall 100's 100FSP	35,36
Pall Mall Gold Lights 100's 100FSP	35,36
Pall Mall Lights 100's 100FSP	37,38,39
Pall Mall Red Filters KFSP	27,28
Pall Mall Red Filters 100's 100FSP	35,36
Parliament Lights KFHP	32,33,34
Parliament Lights KFSP	32,32.5,33,34,35
Parliament Lights 100's 100FSP	38,39,40
Philip Morris International 100FHP	35,36
Philip Morris International Menthol 100FMHP	35,36
Players RNFHP	23
Players KFHP	35,36
Players Menthol KFMHP	34,35,36
Players 100's 100FHP	39,40
Players 100's Menthol 100FMHP	39,40
Players Lights 25's KFSP	33,34,35
Players Lights 25's Menthol KFMSP	33.5,34,34.5,35
Players Lights 25's 100's 100FSP	38,38.5,39,39.5,40
Players Lights 25's 100's Menthol 100FMSP	39,39.5,40
Pyramid KNFSP	23
Pyramid Full Flavor KFSP	32,33,34
Pyramid Full Flavor Menthol KFMSP	30,32,33,34,35
Pyramid Full Flavor 100's 100FSP	37,37.5,38,38.5,39

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Butt Lengths

Brand	Length - mm
Pyramid Full Flavor 100's Menthol 100FMSP	38,39
Pyramid Lights KFSP	32,32.5,33,33.5,34
Pyramid Lights 100's 100FSP	37.5,38,38.5
Pyramid Lights 100's Menthol 100FMSP	37,38,39
Pyramid Ultra Lights 100's 100FSP	37,38,39
Raleigh KNFSP	23
Raleigh KFSP	29,30
Raleigh 100's 100FSP	35,36
Raleigh Lights KFSP	34,35,36
Raleigh Lights 100's 100FSP	38,38.5,39,40
Raleigh Extra KFSP	28,28.5,29,29.5,30
Raleigh Extra 100's 100FSP	38,38.5,39,40
Raleigh Extra Lights KFSP	34,34.5,35,35.5,36
Raleigh Extra Lights Menthol KFMSP	34,34.5,35,35.5,36
Raleigh Extra Lights 100's 100FSP	38.5,39,39.5,40
Raleigh Extra Lights 100's Menthol 100FMSP	38,38.5,39,39.5,40
Richland 20's KFSP	28,29,29.5,30
Richland 20's Menthol KFMSP	28,28.5,29,30
Richland 20's 100's 100FSP	35,36
Richland 20's 100's Menthol 100FMSP	35,36
Richland 20's Lights KFSP	34,35,36
Richland 20's Lights 100's 100FSP	38,39,39.5
Richland 25's KFSP	29,30
Richland 25's Menthol KFMSP	29,30
Richland 25's 100's 100FSP	35,36
Richland Lights 25's KFSP	34,34.5,35,35.5,36
Richland Lights 25's 100's 100FSP	38,38.5,39,39.5
Ritz 100s 100FHP	37,38,39,40
Ritz 100s Menthol 100FMHP	37,38,39,40
Salem KFMHP	26
Salem KFMSP	28,28.5,29
Salem 100's 100FMSP	33,34,34.5,35,35.5
Salem Lights KFMSP	33.5,34,34.5,35
Salem Lights 100's 100FMHP	37,37.5,38,38.5,39
Salem Lights 100's 100FMSP	37.5,38,38.5
Salem Slim Lights 100's 100FMHP	37,38,38.5,39
Salem Ultra Lights KFMSP	34,35
Salem Ultra Lights 100's 100FMSP	36,36.5,37,38,38.5,39
Saratoga 120's 120FHP	39,40
Saratoga 120's Menthol 120FMHP	39,40
Satin 100FSP	36,37
Satin Menthol 100FMSP	35,36,37,38
Silva Thins Filters 100FHP	38,39,40
Silva Thins Menthol 100FMHP	38,39,40
Spring 100's Menthol 100FMSP	36,37,38
Sterling 100FSP	34,34.5,35

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Butt Lengths

Brand	Length - mm
Sterling Menthol 100FMSP	33,33.5,34,34.5,35
Sterling Lights 100FSP	37,37.5,38,38.5,39
Sterling Lights Menthol 100FMSP	37,37.5,38,38.5
Style Lights 100FHP	36,36.5,37,37.5
Style Lights Menthol 100FMHP	36,36.5,37
Style Ultra Lights 100FHP	36,37
Tall 120's 120FSP	37,38,39
Tall 120's Menthol 120FMSP	37,38,39
Tareyton KFSP	27,28
Tareyton 100's 100FSP	35,36
Tareyton Lights KFSP	32,33,34,35,36,37,38
Tareyton Long Lights 100FSP	34,35,36
Triumph KFSP	34,35,36
Triumph Menthol KFMSP	34,34.5,35,35.5
Triumph 100s 100FSP	36,36.5,37
Triumph 100s Menthol 100FMSP	35,36.5,37
True KFSP	32,33
True Menthol KFMSP	32,33
True 100's 100FSP	36,36.5,37
True 100's Menthol 100FMSP	36,36.5,37,38
Vantage KFSP	32,33,33.5,34
Vantage Menthol KFMSP	33,34
Vantage 100s 100FSP	36,36.5,37,37.5,38,40
Vantage 100s Menthol 100FMSP	38,39
Vantage Ultra Lights KFSP	33,34,35
Vantage Ultra Lights 100s 100FSP	37,38
Viceroy KFHP	28,28.5,29
Viceroy KFSP	28,29,30
Viceroy Super Long 100's 100FHP	35,36
Viceroy Super Long 100's 100FSP	35,36
Viceroy Lights KFHP	34,34.5,35,35.5,36
Viceroy Lights KFSP	34,34.5,35,35.5
Viceroy Lights 100's 100FHP	38,38.5,39,39.5
Viceroy Lights 100's 100FSP	38.5,39,40
Virginia Slims 100FSP	34,34.5,35,35.5
Virginia Slims Menthol 100FMSP	34,35,35.5,36
Virginia Slims Lights 100FHP	39,40
Virginia Slims Lights Menthol 100FMHP	38,38.5,39,39.5,40
Virginia Slims Lights 120's 120FHP	38.5,39,39.5
Virginia Slims Lights 120's Menthol 120FMHP	38,39,39.5
Virginia Slims Ultra Lights 100 100FHP	38,38.5,39,39.5,40
Virginia Slims Ultra Lights 100 Menthol 100FMHP	38,38.5,39,39.5,40
Virginia Slims Superslims 100 100FHP	34,35,36
Virginia Slims Superslims 100 Menthol 100FMHP	35,35.5,36
Winston KFHP	25,26,27,28
Winston KFSP	28,29

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Butt Lengths

Brand	Length - mm
Winston 100's 100FSP	34,35,36
Winston Lights KFHP	30.5,31,33,33.5,34
Winston Lights KFSP	33,33.5,34,34.5
Winston Lights 100's 100FHP	37,38
Winston Lights 100's 100FSP	37.5,38,38.5,39
Winston Ultra Lights KFSP	33,33.5,34
Winston Ultra Lights 100's 100FSP	37,37.5,38,38.5,39
Craven A KFHP	24,25,27,28
Craven A Filter Standard Size RFHP	23
Dunhill International 100FHP	31
Dunhill Menthol 100FMHP	31,32
Dunhill Menthol Mild 100FMHP	30,31,31.5,32
Dunhill Int. Superior Mild 100FHP	31
Rothmans KFHP	24,25
Rothmans Special Mild KFHP	27,28
St. Moritz Filter 100FSP	35,36
St. Moritz Filter Menthol 100FMSP	36

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